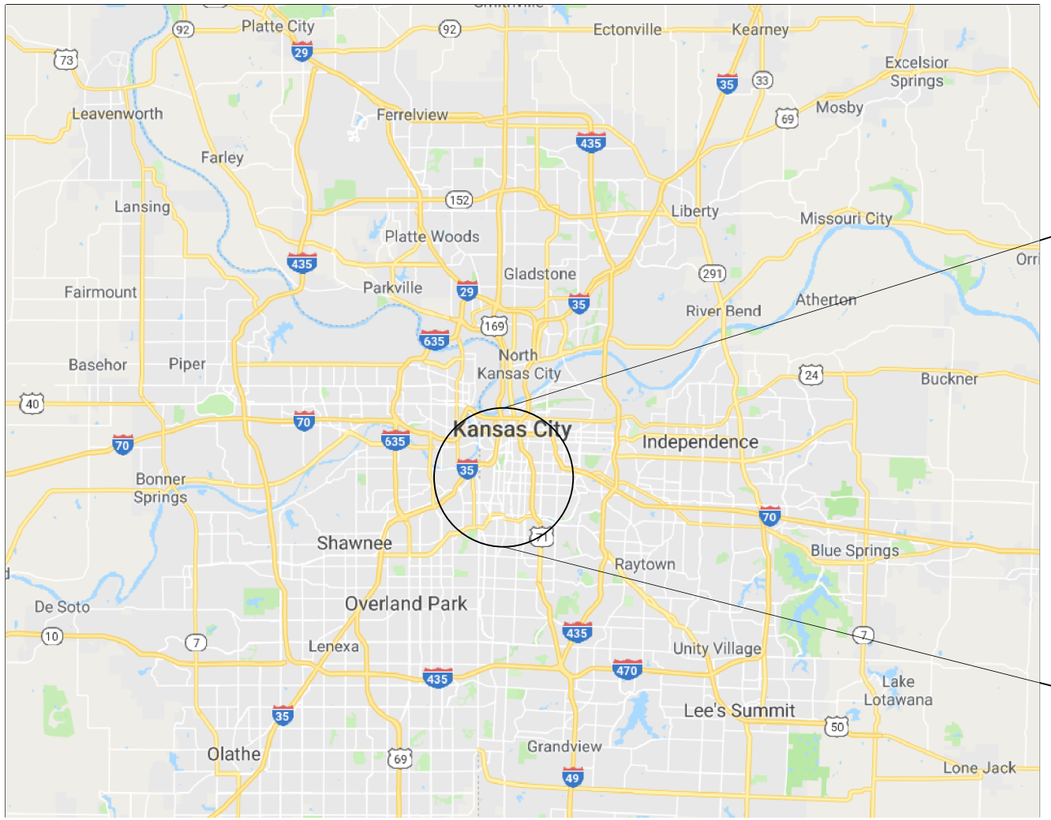
KANSAS CITY STREETCAR
MAIN STREET EXTENSION

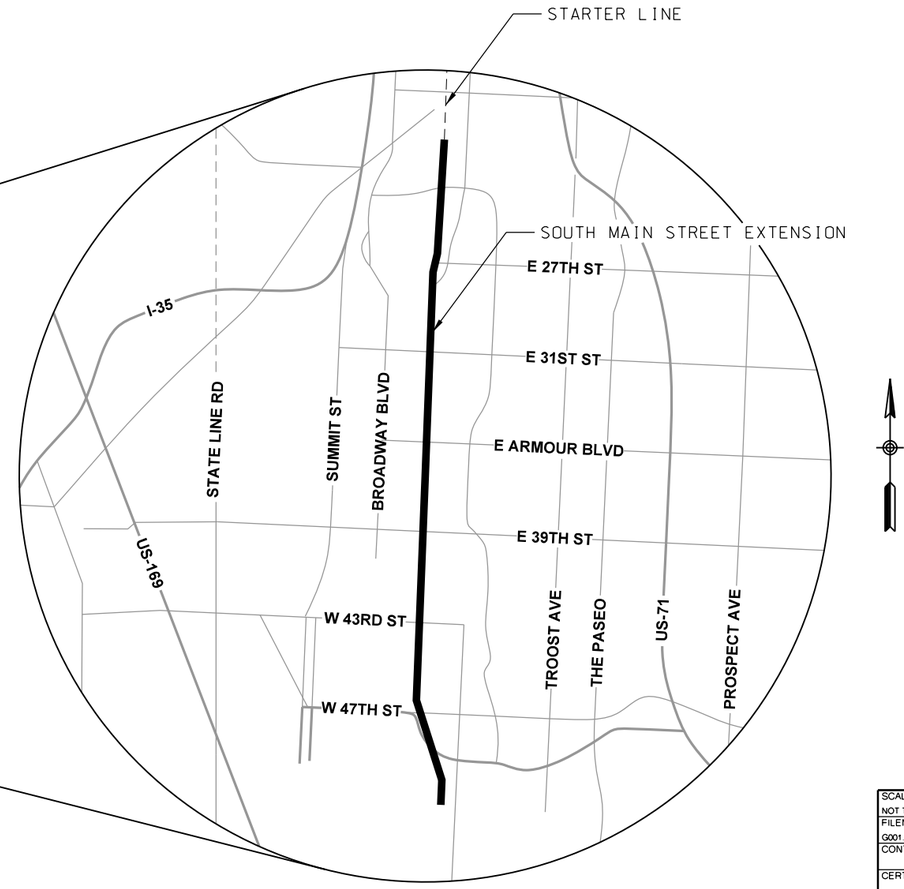
PRELIMINARY PLANS - 15% SUBMITTAL - FEBRUARY 2019

VOLUME 1 - MAIN STREET EXTENSION

CONTRACT NO.:

CERTIFICATE OF AUTHORITY:





NTS

SCALE FOR 22"x34":	
NOT TO SCALE	
FILENAME:	
G001.dgn	
CONTRACT NO.:	
CERTIFICATE OF AUTHORITY:	
DRAWING NO.:	SHEET NO.:
G001	01

SHEET NO.	DRAWING NO.	TITLE	DESCRIPTION
		GENERAL	
1	G001	TITLE SHEET AND LOCATION MAP	
2	G010	INDEX OF DRAWINGS	SHEET 1 OF 2
3	G011	INDEX OF DRAWINGS	SHEET 2 OF 2
4	G030	STANDARD ABBREVIATIONS	SHEET 1 OF 2
5	G031	STANDARD ABBREVIATIONS	SHEET 2 OF 2
6	G035	STANDARD SYMBOLS	
7	G040	GENERAL NOTES	
		DEMOLITION PLANS	
8	D101	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1000+00 TO STA 1001+00 - STA 1001+00 TO STA 1005+00
9	D102	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1005+00 TO STA 1009+00 - STA 1009+00 TO STA 1013+00
10	D103	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1013+00 TO STA 1017+00 - STA 1017+00 TO STA 1021+00
11	D104	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1021+00 TO STA 1025+00 - STA 1025+00 TO STA 1029+00
12	D105	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1029+00 TO STA 1033+00 - STA 1033+00 TO STA 1037+00
13	D106	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1037+00 TO STA 1041+00 - STA 1041+00 TO STA 1045+00
14	D107	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1045+00 TO STA 1049+00 - STA 1049+00 TO STA 1053+00
15	D108	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1053+00 TO STA 1057+00 - STA 1057+00 TO STA 1061+00
16	D109	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1061+00 TO STA 1065+00 - STA 1065+00 TO STA 1069+00
17	D110	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1069+00 TO STA 1073+00 - STA 1073+00 TO STA 1077+00
18	D111	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1077+00 TO STA 1081+00 - STA 1081+00 TO STA 1085+00
19	D112	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1085+00 TO STA 1089+00 - STA 1089+00 TO STA 1093+00
20	D113	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1093+00 TO STA 1097+00 - STA 1097+00 TO STA 1101+00
21	D114	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1101+00 TO STA 1105+00 - STA 1105+00 TO STA 1109+00
22	D115	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1109+00 TO STA 1113+00 - STA 1113+00 TO STA 1117+00
23	D116	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1117+00 TO STA 1121+00 - STA 1121+00 TO STA 1125+00
24	D117	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1125+00 TO STA 1129+00 - STA 1129+00 TO STA 1133+00
25	D118	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1133+00 TO STA 1137+00 - STA 1137+00 TO STA 1141+00
26	D119	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1141+00 TO STA 1145+00 - STA 1145+00 TO STA 1149+00
27	D120	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1149+00 TO STA 1153+00 - STA 1153+00 TO STA 1157+00
28	D121	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1157+00 TO STA 1161+00 - STA 1161+00 TO STA 1165+00
29	D122	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1165+00 TO STA 1169+00 - STA 1169+00 TO STA 1173+00
30	D123	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1173+00 TO STA 1177+00 - STA 1177+00 TO STA 1181+00
31	D124	SOUTHBOUND AND NORTHBOUND TRACK DEMO PLAN	STA 1181+00 TO STA 1185+00 - STA 1185+00 TO STA 1189+00
		TRACK PLAN AND PROFILE	
32	K001	TRACK KEY MAP	TRACK KEY MAP
33	K101	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA BEGIN TO STA 1001+00
34	K102	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1001+00 TO STA 1005+00
35	K102A	NORTHBOUND PROFILE	NB STA 2001+00 TO STA 2005+00
36	K103	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1005+00 TO STA 1009+00
37	K103A	NORTHBOUND PROFILE	NB STA 2005+00 TO STA 2009+00
38	K104	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1009+00 TO STA 1013+00
39	K104A	NORTHBOUND PROFILE	NB STA 2009+00 TO STA 2013+00
40	K105	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1013+00 TO STA 1017+00
41	K105A	NORTHBOUND PROFILE	NB STA 2013+00 TO STA 2017+00
42	K106	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1017+00 TO STA 1021+00
43	K106A	NORTHBOUND PROFILE	NB STA 2017+00 TO STA 2021+00
44	K107	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1021+00 TO STA 1025+00
45	K107A	NORTHBOUND PROFILE	NB STA 2021+00 TO STA 2025+00
46	K108	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1025+00 TO STA 1029+00
47	K108A	NORTHBOUND PROFILE	NB STA 2025+00 TO STA 2029+00
48	K108B	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1025+00 TO STA 1029+00 - ALTERNATIVE
49	K109	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1029+00 TO STA 1033+00
50	K109A	NORTHBOUND PROFILE	NB STA 2029+00 TO STA 2033+00
51	K109B	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1029+00 TO STA 1033+00 - ALTERNATIVE
52	K110	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1033+00 TO STA 1037+00
53	K110A	NORTHBOUND PROFILE	NB STA 2033+00 TO STA 2037+00
54	K111	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1037+00 TO STA 1041+00
55	K111A	NORTHBOUND PROFILE	NB STA 2037+00 TO STA 2041+00
56	K112	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1041+00 TO STA 1045+00
57	K112A	NORTHBOUND PROFILE	NB STA 2041+00 TO STA 2045+00
58	K113	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1045+00 TO STA 1049+00
59	K113A	NORTHBOUND PROFILE	NB STA 2045+00 TO STA 2049+00
60	K114	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1049+00 TO STA 1053+00
61	K114A	NORTHBOUND PROFILE	NB STA 2049+00 TO STA 2053+00
62	K115	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1053+00 TO STA 1057+00
63	K115A	NORTHBOUND PROFILE	NB STA 2053+00 TO STA 2057+00
64	K116	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1057+00 TO STA 1061+00
65	K116A	NORTHBOUND PROFILE	NB STA 2057+00 TO STA 2061+00
66	K117	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1061+00 TO STA 1065+00
67	K117A	NORTHBOUND PROFILE	NB STA 2061+00 TO STA 2065+00
68	K118	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1065+00 TO STA 1069+00
69	K118A	NORTHBOUND PROFILE	NB STA 2065+00 TO STA 2069+00
70	K119	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1069+00 TO STA 1073+00
71	K119A	NORTHBOUND PROFILE	NB STA 2069+00 TO STA 2073+00
72	K120	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1073+00 TO STA 1077+00
73	K120A	NORTHBOUND PROFILE	NB STA 2073+00 TO STA 2077+00
74	K121	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1077+00 TO STA 1081+00
75	K121A	NORTHBOUND PROFILE	NB STA 2077+00 TO STA 2081+00
76	K122	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1081+00 TO STA 1085+00
77	K122A	NORTHBOUND PROFILE	NB STA 2081+00 TO STA 2085+00
78	K123	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1085+00 TO STA 1089+00
79	K123A	NORTHBOUND PROFILE	NB STA 2085+00 TO STA 2089+00
80	K124	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1089+00 TO STA 1093+00
81	K124A	NORTHBOUND PROFILE	NB STA 2089+00 TO STA 2093+00
82	K125	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1093+00 TO STA 1097+00
83	K125A	NORTHBOUND PROFILE	NB STA 2093+00 TO STA 2097+00
84	K126	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1097+00 TO STA 1101+00
85	K126A	NORTHBOUND PROFILE	NB STA 2097+00 TO STA 2101+00
86	K127	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1101+00 TO STA 1105+00
87	K127A	NORTHBOUND PROFILE	NB STA 2101+00 TO STA 2105+00
88	K128	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1105+00 TO STA 1109+00
89	K128A	NORTHBOUND PROFILE	NB STA 2105+00 TO STA 2109+00
90	K129	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1109+00 TO STA 1113+00
91	K129A	NORTHBOUND PROFILE	NB STA 2109+00 TO STA 2113+00
92	K130	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1113+00 TO STA 1117+00
93	K130A	NORTHBOUND PROFILE	NB STA 2113+00 TO STA 2117+00
94	K131	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1117+00 TO STA 1121+00
95	K131A	NORTHBOUND PROFILE	NB STA 2117+00 TO STA 2121+00
96	K132	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1121+00 TO STA 1125+00
97	K132A	NORTHBOUND PROFILE	NB STA 2121+00 TO STA 2125+00
98	K133	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1125+00 TO STA 1129+00
99	K133A	NORTHBOUND PROFILE	NB STA 2125+00 TO STA 2129+00
100	K134	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1129+00 TO STA 1133+00
101	K134A	NORTHBOUND PROFILE	NB STA 2129+00 TO STA 2133+00
102	K135	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1133+00 TO STA 1137+00
103	K135A	NORTHBOUND PROFILE	NB STA 2133+00 TO STA 2137+00
104	K136	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1137+00 TO STA 1141+00
105	K136A	NORTHBOUND PROFILE	NB STA 2137+00 TO STA 2141+00
106	K137	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1141+00 TO STA 1145+00
107	K137A	NORTHBOUND PROFILE	NB STA 2141+00 TO STA 2145+00
108	K138	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1145+00 TO STA 1149+00
109	K138A	NORTHBOUND PROFILE	NB STA 2145+00 TO STA 2149+00
110	K139	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1149+00 TO STA 1153+00
111	K139A	NORTHBOUND PROFILE	NB STA 2149+00 TO STA 2153+00
112	K140	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1153+00 TO STA 1157+00
113	K140A	NORTHBOUND PROFILE	NB STA 2153+00 TO STA 2157+00
114	K141	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1157+00 TO STA 1161+00
115	K141A	NORTHBOUND PROFILE	NB STA 2157+00 TO STA 2161+00
116	K142	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1161+00 TO STA 1165+00
117	K142A	NORTHBOUND PROFILE	NB STA 2161+00 TO STA 2165+00
118	K143	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1165+00 TO STA 1169+00
119	K143A	NORTHBOUND PROFILE	NB STA 2165+00 TO STA 2169+00
120	K144	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1169+00 TO STA 1173+00
121	K144A	NORTHBOUND PROFILE	NB STA 2169+00 TO STA 2173+00
122	K145	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1173+00 TO STA 1177+00
123	K145A	NORTHBOUND PROFILE	NB STA 2173+00 TO STA 2177+00
124	K146	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1177+00 TO STA 1181+00
125	K146A	NORTHBOUND PROFILE	NB STA 2177+00 TO STA 2181+00
126	K147	TRACK PLAN AND SOUTHBOUND PROFILE	SB STA 1181+00 TO STA 1185+00
127	K147A	NORTHBOUND PROFILE	NB STA 2181+00 TO STA 2185+00
		TRACK DETAILS	
128	K901	TRACK SLAB DETAILS	DETAILS
129	K902	115 RE AND 112 TRAM RAIL SECTIONS	DETAILS
130	K903	TRACK SLAB ON STRUCTURE	DETAILS
131	K904	TRANSITION RAIL	DETAILS
132	K905	25 M TURNOUT	DETAILS
		ROADWAY (CIVIL) PLANS	
133	C001	TYPICAL SECTIONS	SHEET 1 OF 5
134	C002	TYPICAL SECTIONS	SHEET 2 OF 5
135	C003	TYPICAL SECTIONS	SHEET 3 OF 5
136	C004	TYPICAL SECTIONS	SHEET 4 OF 5
137	C005	TYPICAL SECTIONS	SHEET 5 OF 5
138	C101	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1000+00 TO STA 1001+00 - STA 1001+00 TO STA 1005+00
139	C102	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1005+00 TO STA 1009+00 - STA 1009+00 TO STA 1013+00
140	C103	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1013+00 TO STA 1017+00 - STA 1017+00 TO STA 1021+00
141	C104	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1021+00 TO STA 1025+00 - STA 1025+00 TO STA 1029+00
142	C105	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1029+00 TO STA 1033+00 - STA 1033+00 TO STA 1037+00
143	C106	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1037+00 TO STA 1041+00 - STA 1041+00 TO STA 1045+00

REV	DATE	DESCRIPTION

PLOT DATE: $DATE$ $TIME$

DESIGNED BY JWR
CHECKED BY RPB
DRAWN BY MMQ
CHECKED BY RPB
APPROVED BY NKS
DATE 2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

INDEX OF DRAWINGS
SHEET 1 OF 2

SCALE FOR 22"x34": NOT TO SCALE
FILENAME: $FILES$
CONTRACT NO.: ##########
VOLUME: $VOLUME$
DRAWING NO.: G010
SHEET NO.: 02

SHEET NO.	DRAWING NO.	TITLE	DESCRIPTION
144	C107	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1045+00 TO STA 1049+00 - STA 1049+00 TO STA 1053+00
145	C108	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1053+00 TO STA 1057+00 - STA 1057+00 TO STA 1061+00
146	C109	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1061+00 TO STA 1065+00 - STA 1065+00 TO STA 1069+00
147	C110	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1069+00 TO STA 1073+00 - STA 1073+00 TO STA 1077+00
148	C111	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1077+00 TO STA 1081+00 - STA 1081+00 TO STA 1085+00
149	C112	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1085+00 TO STA 1089+00 - STA 1089+00 TO STA 1093+00
150	C113	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1093+00 TO STA 1097+00 - STA 1097+00 TO STA 1101+00
151	C114	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1101+00 TO STA 1105+00 - STA 1105+00 TO STA 1109+00
152	C115	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1109+00 TO STA 1113+00 - STA 1113+00 TO STA 1117+00
153	C116	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1117+00 TO STA 1121+00 - STA 1121+00 TO STA 1125+00
154	C117	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1125+00 TO STA 1129+00 - STA 1129+00 TO STA 1133+00
155	C118	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1133+00 TO STA 1137+00 - STA 1137+00 TO STA 1141+00
156	C119	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1141+00 TO STA 1145+00 - STA 1145+00 TO STA 1149+00
157	C120	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1149+00 TO STA 1153+00 - STA 1153+00 TO STA 1157+00
158	C121	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1157+00 TO STA 1161+00 - STA 1161+00 TO STA 1165+00
159	C122	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1165+00 TO STA 1169+00 - STA 1169+00 TO STA 1173+00
160	C123	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1173+00 TO STA 1177+00 - STA 1177+00 TO STA 1181+00
161	C124	SOUTHBOUND AND NORTHBOUND TRACK CIVIL PLAN	STA 1181+00 TO STA 1185+00 - STA 1185+00 TO STA 1189+00
162	C200	TYPICAL STREETCAR STOP DETAILS	DETAILS
		PLATFORM PLANS	
163	P201	TYPICAL PLATFORM ELEVATION	DETAILS
		SIGNING AND STRIPING PLANS	
164	S101	SIGNING AND STRIPING PLAN	STA 1000+00 TO STA 1001+00
165	S102	SIGNING AND STRIPING PLAN	STA 1001+00 TO STA 1005+00
166	S103	SIGNING AND STRIPING PLAN	STA 1005+00 TO STA 1009+00
167	S104	SIGNING AND STRIPING PLAN	STA 1009+00 TO STA 1013+00
168	S105	SIGNING AND STRIPING PLAN	STA 1013+00 TO STA 1017+00
169	S106	SIGNING AND STRIPING PLAN	STA 1017+00 TO STA 1021+00
170	S107	SIGNING AND STRIPING PLAN	STA 1021+00 TO STA 1025+00
171	S108	SIGNING AND STRIPING PLAN	STA 1025+00 TO STA 1029+00
172	S109	SIGNING AND STRIPING PLAN	STA 1029+00 TO STA 1033+00
173	S110	SIGNING AND STRIPING PLAN	STA 1033+00 TO STA 1037+00
174	S111	SIGNING AND STRIPING PLAN	STA 1037+00 TO STA 1041+00
175	S112	SIGNING AND STRIPING PLAN	STA 1041+00 TO STA 1045+00
176	S113	SIGNING AND STRIPING PLAN	STA 1045+00 TO STA 1049+00
177	S114	SIGNING AND STRIPING PLAN	STA 1049+00 TO STA 1053+00
178	S115	SIGNING AND STRIPING PLAN	STA 1053+00 TO STA 1057+00
179	S116	SIGNING AND STRIPING PLAN	STA 1057+00 TO STA 1061+00
180	S117	SIGNING AND STRIPING PLAN	STA 1061+00 TO STA 1065+00
181	S118	SIGNING AND STRIPING PLAN	STA 1065+00 TO STA 1069+00
182	S119	SIGNING AND STRIPING PLAN	STA 1069+00 TO STA 1073+00
183	S120	SIGNING AND STRIPING PLAN	STA 1073+00 TO STA 1077+00
184	S121	SIGNING AND STRIPING PLAN	STA 1077+00 TO STA 1081+00
185	S122	SIGNING AND STRIPING PLAN	STA 1081+00 TO STA 1085+00
186	S123	SIGNING AND STRIPING PLAN	STA 1085+00 TO STA 1089+00
187	S124	SIGNING AND STRIPING PLAN	STA 1089+00 TO STA 1093+00
188	S125	SIGNING AND STRIPING PLAN	STA 1093+00 TO STA 1097+00
189	S126	SIGNING AND STRIPING PLAN	STA 1097+00 TO STA 1101+00
190	S127	SIGNING AND STRIPING PLAN	STA 1101+00 TO STA 1105+00
191	S128	SIGNING AND STRIPING PLAN	STA 1105+00 TO STA 1109+00
192	S129	SIGNING AND STRIPING PLAN	STA 1109+00 TO STA 1113+00
193	S130	SIGNING AND STRIPING PLAN	STA 1113+00 TO STA 1117+00
194	S131	SIGNING AND STRIPING PLAN	STA 1117+00 TO STA 1121+00
195	S132	SIGNING AND STRIPING PLAN	STA 1121+00 TO STA 1125+00
196	S133	SIGNING AND STRIPING PLAN	STA 1125+00 TO STA 1129+00
197	S134	SIGNING AND STRIPING PLAN	STA 1129+00 TO STA 1133+00
198	S135	SIGNING AND STRIPING PLAN	STA 1133+00 TO STA 1137+00
199	S136	SIGNING AND STRIPING PLAN	STA 1137+00 TO STA 1141+00
200	S137	SIGNING AND STRIPING PLAN	STA 1141+00 TO STA 1145+00
201	S138	SIGNING AND STRIPING PLAN	STA 1145+00 TO STA 1149+00
202	S139	SIGNING AND STRIPING PLAN	STA 1149+00 TO STA 1153+00
203	S140	SIGNING AND STRIPING PLAN	STA 1153+00 TO STA 1157+00
204	S141	SIGNING AND STRIPING PLAN	STA 1157+00 TO STA 1161+00
205	S142	SIGNING AND STRIPING PLAN	STA 1161+00 TO STA 1165+00
206	S143	SIGNING AND STRIPING PLAN	STA 1165+00 TO STA 1169+00
207	S144	SIGNING AND STRIPING PLAN	STA 1169+00 TO STA 1173+00
208	S145	SIGNING AND STRIPING PLAN	STA 1173+00 TO STA 1177+00
209	S146	SIGNING AND STRIPING PLAN	STA 1177+00 TO STA 1181+00
210	S147	SIGNING AND STRIPING PLAN	STA 1181+00 TO STA 1185+00
		TRACTION POWER PLANS	
211	J601	TRACTION POWER SYSTEM	MASTER SINGLE LINE DIAGRAM
212	J602	TRACTION POWER SYSTEM	MASTER SINGLE LINE DIAGRAM

SHEET NO.	DRAWING NO.	TITLE	DESCRIPTION
		STRUCTURAL PLANS	
213	ST101	MAIN STREET VIADUCT	TYPICAL SECTION
214	ST102	MAIN STREET OVER BRUSH CREEK	TYPICAL SECTION

REV	DATE	DESCRIPTION
PLOT DATE:	$DATE$	$TIME$

DESIGNED BY JWR
CHECKED BY RPB
DRAWN BY MMO
CHECKED BY RPB
APPROVED BY NKS
DATE 2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

INDEX OF DRAWINGS
SHEET 2 OF 2

SCALE FOR 22"x34": NOT TO SCALE
FILENAME: $FILES$
CONTRACT NO.: ##########
VOLUME: $VOLUME$
DRAWING NO.: G011
SHEET NO.: 03

STANDARD ABBREVIATIONS

TRACK AND ROAD ALIGNMENT

HORIZONTAL

CS	POINT OF CHANGE FROM CIRCULAR CURVE TO SPIRAL
D, Dc	DEGREE OF CURVE (CURVATURE)
Δ	DELTA or DEFLECTION ANGLE (SPIRAL CURVE)
DIA	DIAMOND (CROSSOVER)
ES	EXTERNAL DISTANCE
Ea	SUPERELEVATION, ACTUAL
Et	SUPERELEVATION, TOTAL
Eu	SUPERELEVATION, UNBALANCED
I	TOTAL INTERSECTION ANGLE or TOTAL CENTRAL ANGLE
L	TOTAL CURVE LENGTH
Lc	TOTAL LENGTH OF CHORD
Ls	TOTAL LENGTH OF SPIRAL CURVE
Ls1	SUFFIX (1) AT THE SYMBOL DENOTES THE DATA FOR THE FIRST SPIRAL ON AN UNSYMMETRICAL SPIRALIZED CURVE
Ls2	SUFFIX (2) - SAME AS ABOVE, SECOND SPIRAL
Ls IN	SUFFIX (IN) AT THE SYMBOL DENOTES THE DATA FOR THE LEADING SPIRAL OF A SPIRALIZED CURVE
Ls OUT	SUFFIX (OUT) AT THE SYMBOL DENOTES THE DATA FOR THE TRAILING SPIRALIZED CURVE
L.T.	LONG TANGENT
P	THROW
PC	POINT OF CURVATURE or POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE
PCC	POINT OF COMPOUND CIRCULAR CURVES
PI	POINT OF INTERSECTION OF TWO TANGENTS
PITO	POINT OF INTERSECTION, TURNOUT
(PO)	POWER OPERATED (REFERS TO TURNOUT)
POB	POINT OF BEGINNING
POC	POINT ON CIRCULAR CURVE
POE	POINT OF ENDING
POS	POINT ON SPIRAL
POT	POINT ON TANGENT
PRC	POINT OF REVERSE CIRCULAR CURVE
PT	POINT OF TANGENCY or POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT
PT_SW, PS	POINT OF SWITCH
PVT	POINT OF VERTICAL TANGENCY
Qs	CENTRAL ANGLE OF SPIRAL or SPIRAL ANGLE
R	RADIUS OF CIRCULAR CURVE
SC	POINT OF CHANGE FROM SPIRAL TO CIRCULAR CURVE
SS	POINT OF CHANGE FROM SPIRAL TO SPIRAL
ST	POINT OF SPIRAL TO TANGENT
S.T.	SHORT TANGENT
T	TOTAL CURVE TANGENT LENGTH OF COMPLETE CURVE
Tc	TANGENT LENGTH FROM PC or PT TO PI
TEX	TRACK EDGE CROSS-SLOPE
TO	TURNOUT
Ts	TANGENT DISTANCE FROM TS or ST TO PI
TL	TOTAL LENGTH OF CURVE (SPIRAL & CIRCULAR PORTIONS)
TS	POINT OF CHANGE FROM TANGENT TO SPIRAL
TTL	TOTAL TANGENT LENGTH (SPIRALS & CIRCULAR PORTIONS)
XO	CROSSOVER
Xs	TANGENT DISTANCE AT SC or CS
Ys	TANGENT OFFSET AT SC or CS

VERTICAL

K	RATE OF VERTICAL CURVATURE OR LENGTH OF CURVE PER PERCENT DIFFERENCE IN TWO ALGEBRAIC GRADES
L	LENGTH OF VERTICAL CURVE
PVCC	POINT OF COMPOUND VERTICAL CURVE
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION or POINT OF INTERSECTION OF TWO PROFILE TANGENTS
R	RATE OF CHANGE IN CURVATURE
PVRC	POINT OF REVERSE VERTICAL CURVE
PVT	POINT OF VERTICAL TANGENCY
VC	VERTICAL CURVE
ELEV	ELEVATION

GENERAL ABBREVIATIONS

A

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
ABND	ABANDONED
ABUT	ABUTMENT
&	AND
AC or A.C.	ASBESTOS CEMENT
ACC.	ACCESS
ADA	AMERICANS WITH DISABILITIES ACT
AGG	AGGREGATE
ALIGN	ALIGNMENT
ALT.	ALTERNATE
APPROX	APPROXIMATE
APWA	AMERICAN PUBLIC WORKS ASSOCIATION
A.R.E.M.A.	AMERICAN RAILWAY ENGINEERING & MAINTENANCE OF WAY ASSOCIATION
A/R	AS REQUIRED
A.S.	AS SHOWN
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
@	AT
ATC	AUTOMATIC TRAIN CONTROL
ATMS	ADVANCED TRAFFIC MANAGEMENT SYSTEM
AVE	AVENUE
AWG	AMERICAN WIRE GAGE

B

BE	BURIED ELECTRIC
BEG	BEGIN or BEGINNING
BET	BETWEEN
BIT	BITUMINOUS
BK	BACK
BL	BASELINE
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BNSF	BURLINGTON NORTHERN AND SANTA FE RAILWAY
B.O.	BOTTOM OF
BOT	BOTTOM
BRDG	BRIDGE
BRG	BEARING
BRK	BRICK
BTEL	BURIED TELEPHONE
BU CA or BCTV	BURIED CABLE
BW	BOTTOM OF WALL or BACK OF WALL
BCR	BEGIN CURB RETURN

C

C	CUT (WALL)
CAS	CASING
CTV	CABLE TV LINE
CB	CATCH BASIN
CBC	CONCRETE BOX CULVERT
c-c	CENTER TO CENTER
CD	CHECK DAM
CFS	CUBIC FEET PER SECOND
C&G	CURB AND GUTTER
CI or C.I.	CURB INLET or CAST IRON
CIP	CAST IRON PIPE
℄ or CL	CENTER LINE
CLG	CEILING
CLR	CLEARANCE or CLEAR
CMP	CORRUGATED METAL PIPE
C/O	CARE OF
CO	CLEANOUT, COUNTY or COMPANY
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT or CONNECTION
CONST or CONSTR	CONSTRUCT or CONSTRUCTION
CONT	CONTINUED, CONTINUOUS or CONTINUATION
CSP	CORRUGATED STEEL PIPE
CNL	CANAL
COORD	COORDINATE
COR	CORNER
CORR	CORRUGATE or CORRUGATED
CP	CLAY PIPE or CONTROL POINT
CRK	CREEK
CRV	CURVE
C/S	COMMUNICATION/SIGNAL
CSW	CONCRETE SIDEWALK
CT	COURT
CULV or CUL	CULVERT
CU YD or C.Y. or CY	CUBIC YARD
CWR	CONTINUOUS WELDED RAIL

D

D, d	DEPTH
DB	DIVERSION BOX
DE	DRAGGING EQUIPMENT
DEB	DETENTION BASIN
DED	DECK DRAIN
DEF or DEFL	DEFLECTION
DEPT	DEPARTMENT
DF	DIRECT FIXATION
DG	DIESEL GAS or DRY GAS
DI or D.I.	DUCTILE IRON
DIP	DUCTILE IRON PIPE
DIA or Ø	DIAMETER
DIAG	DIAGRAM or DIAGONAL
DIM	DIMENSION
DIST	DISTRICT or DISTANCE
DIT	OPEN DITCH
DPSS	DOUBLE POINT SPLIT SWITCH
DRTK	DRILL TRACK
DW	DOMESTIC WATER
DWG	DRAWING
DWY	DRIVEWAY

E

E	EAST, EASTING or ELECTRIC
EA	EACH
EB	EASTBOUND or END OF BRIDGE
E/E	EAST OF EAST RIGHT-OF-WAY LINE
EL or ELEV	ELEVATION
ELEC.	ELECTRICAL
EMH	ELECTRICAL MANHOLE
E/O	EAST OF
EOA	EDGE OF ASPHALT
EOH	OVERHEAD ELECTRIC
EOP	EDGE OF PAVEMENT
EQ	EQUAL or EQUATION
EQN	EQUATION
ES	EXTRA STRENGTH
ET	END TRACK
ETC	ETCETERA
E/W	EAST OF WEST RIGHT-OF-WAY LINE
EXIST or EX	EXISTING
EXT	EXTERIOR
EXP	EXPANSION

F

F	FILL (WALL) or FIBER
(F)	FREIGHT
FB	FREEBOARD
FES	FLARED END SECTION
FF	FINISHED FLOOR or FAR FACE or FRONT FACE
FFE	FINISHED FLOOR ELEVATION
FG	FROG GAUGE PLATE or FINISH GRADE
FH	FIRE HYDRANT
FIN	FINISH
℄ or FL	FLOWLINE
FLG	FLANGE
FLR	FLOOR
FO	FIBER OPTIC LINE
FOC	FACE OF CURB
FP	FIRE PROTECTION
FPS	FOOT PER SECOND
FWY	FREEWAY
FS	FLAGSTONE or FINISHED SURFACE
FAM	FOUND ALUMINUM MONUMENT
FBC	FOUND BRASS CAP
FIP	FOUND IRON PIN
FT or FT.	FOOT or FEET
FHWA	FEDERAL HIGHWAY ADMINISTRATION
FRA	FEDERAL RAILROAD ADMINISTRATION
FTA	FEDERAL TRANSIT ADMINISTRATION
FTG	FOOTING
F&I	FURNISH & INSTALL

G

G	GAS
GA	GAUGE (GAGE)
GAL(S)	GALLON (GALLONS)
GALV	GALVANIZED
GI	GROUND INLET
GM	GAS METER
GND	GROUND
GR	GRADE, GROUND or GUARD RAIL PLATE
GSB	GROUTED SLOPING BOULDER
GSC	GALVANIZED STEEL CONDUIT
GV	GATE VALVE
GRS	GALVANIZED RIGID STEEL CONDUIT

H

H or HT	HEIGHT
HCL	HORIZONTAL CONTROL LINE
HD	HEAD
HDPE	HIGH DENSITY POLYETHYLENE
HF	HEEL OF FROG
HG	HEAD GATE
HL	HEEL LENGTH
HMAC	HOT MIX ASPHALT CONCRETE
HP	HIGH PRESSURE or HEEL PLATE
Hp	HORSEPOWER
HS	HIGH STRENGTH STEEL
HSS	HOLLOW STRUCTURAL SECTION
HW	HEAD WALL
HWY	HIGHWAY
HORIZ	HORIZONTAL
HGL	HYDRAULIC GRADE LINE
HH	HAND HOLE
HSS	HOLLOW STRUCTURAL SECTION

I

ID	INSIDE DIAMETER or IDENTIFICATION
IHP	INTERMEDIATE HIGH PRESSURE
IHRL	INDIVIDUAL HIGH RAIL LEVEL
IJ	INSULATED JOINT
IN	INCH or INCHES
INC.	INCORPORATED
INV	INVERT
IP	IRON PIPE
IRB	IRRIGATION JUNCTION or DIVERSION BOX
IRC	IRRIGATION CULVERT
IRD	IRRIGATION DITCH
IRP	IRRIGATION PIPE

J

JB	JUNCTION BOX
JT	JOINT
J&B	JACK & BORE

K

K	KIP, 1000 POUNDS
KCATA	KANSAS CITY AREA TRANSPORTATION AUTHORITY
KCMO	KANSAS CITY, MISSOURI
KCP&L	KANSAS CITY POWER & LIGHT
KCS	KANSAS CITY SOUTHERN RAILROAD
KCSA	KANSAS CITY STREETCAR AUTHORITY
KCTRR	KANSAS CITY TERMINAL RAILROAD
KF	KIP-FOOT
KLF	KIPS PER LINEAR FOOT
KSF	KIPS PER SQUARE FOOT
KV	KILOVOLTS

L

L	LINE or LENGTH
LB	POUND or ELBOW
LCD	LIQUID CRYSTAL DISPLAY
LED	LIGHT EMITTING DIODE
LF	LINEAR FOOT (FEET)
LH	LEFT HAND
LLC	LIMITED LIABILITY CORPORATION
LN	LANE
LOC	LOCATE, LOCATED or LOCATION
LONG.	LONGITUDINAL
LP	LOW PRESSURE or LIGHT POLE
LPT	LOW POINT
LRT	LIGHT RAIL TRANSIT
LT	LEFT
LTD	LIMITED
LTG	LIGHTING

M

MAINT	MAINTENANCE
MAX or MAX.	MAXIMUM
MDPE	MEDIUM DENSITY POLYETHYLENE
MECH	MECHANICAL
MH	MANHOLE
MIL	0.001 INCH
MIN OR MIN.	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
M/L	MATCH LINE
ML	MAINLINE
MODOT	MISSOURI DEPARTMENT OF TRANSPORTATION
MON	MONUMENT
MP	MEDIUM PRESSURE/MILE POST
MPH	MILES PER HOUR
MSE	MECHANICALLY STABILIZED EARTH
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

N

N	NORTH or NORTHING
N/A	NOT APPLICABLE
NB	NORTHBOUND
NE	NORTHEAST
NF	NEAR FACE
NIC	NOT IN CONTRACT
N/N	NORTH OF NORTH RIGHT-OF-WAY LINE
N/O	NORTH OF
NO., NOS or #	NUMBER
NRCP	NON-REINFORCED CONCRETE PIPE
N/S	NORTH OF SOUTH RIGHT-OF-WAY LINE
NTS	NOT TO SCALE
NW	NORTHWEST

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:13:28 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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SHEET 1 OF 2

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	G030.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	G030
SHEET NO.:	04

STANDARD ABBREVIATIONS

GENERAL ABBREVIATIONS

O

OC or O.C.	ON CENTER or ON CENTERS
OCS	OVERHEAD CATENARY SYSTEM
OD or O.D.	OUTSIDE DIAMETER or OUTSIDE DIMENSION
OFO	OVERHEAD FIBER OPTIC
OHC	OVERHEAD COAXIAL
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
OPP	OPPOSITE

P

P	PIPE
(P)	PASSENGER
PB	PULL BOX
PCC	PORTLAND CEMENT CONCRETE
PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
PCL	PROJECT CONTROL LINE
PE	POLYETHYLENE
PED	PEDESTRIAN
PF	POINT OF FROG
PGL	PROFILE GRADE LINE
PKG	PARKING
PL	PROPERTY LINE
PLUM'G	PLUMBING
POL	POINT ON LINE
PP	POWER POLE
PROP	PROPERTY
PR	PROPOSED
PEP	POLYETHYLENE PIPE
(PO)	POWER OPERATED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PET	PETROLEUM
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT

Q

QTY	QUANTITY
QUAD	QUADRANT

R

R	RADIUS
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCH	REACH
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RE	AREA/AREMA
RECT	RECTANGLE or RECTIFIER
REF	REFERENCE
REINF	REINFORCE, REINFORCED or REINFORCEMENT
REM	REMOVE
RET	RETAINING
REV	REVISE, REVISED or REVISION
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL
RH	RIGHT HAND
RR	RAILROAD
RRS or RS	RAILROAD SIGNAL
RSC	RAILROAD SIGNAL & COMMUNICATION
RT	RIGHT
RTS	RETENTION SWALE
RET W OR RW	RETAINING WALL
ROW or R/W	RIGHT OF WAY
RVR	RIVER
RY	RAILWAY

S

S	SOUTH or SLOPE
SALV	SALVAGE
SB	SOUTHBOUND
SC	STREET CAR
SD	STORM DRAIN
SDC	STORM DRAIN CULVERT
SDCB	STORM DRAIN CATCH BASIN
SDCO	STORM DRAIN CLEAN OUT
SDD	STORM DRAIN DITCH
SDMH	STORM DRAIN MANHOLE
SDP	STORM DRAIN PIPE
SDPS	STORM DRAIN PUMP STATION
SDS	STORM DRAIN SWALE
SDV	STORM DRAIN VAULT
SE	SOUTHEAST
SECT	SECTION
SGL	SUB-GRADE LINE
SHT	SHEET
SIG	SIGNAL
SIM	SIMILAR
SL	SEWER LATERAL
SLP	SLOPE
SMH	SEWER MANHOLE
S/N	SOUTH OF NORTH RIGHT-OF-WAY LINE
S/O	SOUTH OF
SP	SPACE or SPACING or SIGNAL POLE or STATION POINT
SPEC	SPECIFICATIONS
SQ	SQUARE
S/S	SOUTH OF SOUTH RIGHT-OF-WAY LINE
SSP	SMOOTH STEEL PIPE
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR OR STRUCT	STRUCTURE
SW	SOUTHWEST, SWITCH or SIDEWALK
SWR OR SS	SANITARY SEWER
SYM	SYMMETRICAL

T

T or TEL	TELEPHONE
TAN	TANGENT
TB	TOP OF BALLAST
TBC	TOP BACK OF CURB
TBD	TO BE DETERMINED
TBS	TO BE SURVEYED
TCB	TRAFFIC CONTROL BOX
TD	TRACK DRAIN
TEMP	TEMPERATURE or TEMPORARY
TERM	TERMINAL
TF	TRACK FOOT
TG	TOP OF GRADE or TOP OF GRATE
TH	TEST HOLE
THK	THICK or THICKNESS
THRU	THROUGH
TL	TRAFFIC LIGHT or TOE LENGTH
TMH	TELEPHONE MANHOLE
T.O.	TOP OF
TOC	TRAFFIC OPERATIONS CENTER
TOD	TRANSIT ORIENTED DEVELOPMENT
TOP	TOP OF PIPE
T/R or TOR	TOP OF RAIL
TOS	TOE OF SLOPE
TPSS	TRACTION POWER SUBSTATION
TRANS.	TRANSITION
TRK	TRACK
TS	TRAFFIC SIGNAL
T.S.	TYPICAL SECTION
TSB	TOP OF SUB-BALLAST
TSC	TRAFFIC SIGNAL CONDUIT
TV	TELEVISION
T/W	TOP OF WALL
TYP	TYPICAL

U

UD	UNDERDRAIN
UFO	UNDERGROUND FIBER OPTIC
UG	UNDERGROUND
UGC	UNDERGROUND COAXIAL
UGP	UNDERGROUND POWER
UGT	UNDERGROUND TELEPHONE
UNO or UON	UNLESS NOTED OTHERWISE
UNK	UNKNOWN
UPRR	UNION PACIFIC RAILROAD
URC	UNREINFORCED CONCRETE
US	UNITED STATES

V

V	VALVE or VELOCITY
VAR	VARIES or VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VLT	VAULT
VMF	VEHICLE MAINTENANCE FACILITY
VMS	VARIABLE MESSAGE SIGN

W

W	WEST or WATER or WIDTH
W/	WITH
WB	WESTBOUND
W/E	WEST OF EAST RIGHT-OF-WAY LINE
WIP	WROUGHT IRON PIPE
WL	WATER LEVEL
WM	WATER METER
W/O	WITHOUT or WEST OF
WP	WEATHERPROOF
WR	WIRE RUN
WS	WATER SERVICE
WSP	WELDED STEEL PIPE
WTR	WATER
WV	WATER VALVE
W/W	WEST OF WEST RIGHT-OF-WAY LINE
WSE	WATER SURFACE ELEVATION
WW	WING WALL

X

X-DRAIN	CROSS DRAIN
X-ING	CROSSING
X-SECT	CROSS SECTION

>	GREATER THAN
≥	GREATER THAN OR EQUAL TO
<	LESS THAN
≤	LESS THAN OR EQUAL TO

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:13:33 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
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SHEET 2 OF 2

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FILENAME:	G031.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	G031
SHEET NO.:	05

STANDARD SYMBOLS

EXISTING

POWER POLE	PP
LIGHT POLE	LP
ELECTRIC TRANSFORMER	TRANS
ANCHOR	GUY
TELEPHONE POLE	TP
TELEPHONE PEDESTAL	TELE PED
CABLE TV PEDESTAL	CATV PED
FIRE HYDRANT	FH
WATER METER	WM
WATER VALVE	WV
ELECTRIC METER	EM
GAS METER	GM
GAS VALVE	GV
MAIL BOX	MB
SIGN	
TREE (DIA.)	12"
PINE TREE (DIA.)	12"
BUSH	3'
TREE LINE	
FENCE	x
STREET LIGHT CONTROL BOX	LCB
PULL BOX	PB
SIGNAL CONTROL BOX	SCB
CURB STOP	CS
EXPANSION JOINT	EJ
GAS TEST POINT	GTP
SAN. SEWER LINE W/SIZE	24"RCP
UTILITY VAULT	

MAST ARM WITH SIGNALS	
TURN LANE ARROW	
SURVEY CONTROL POINT	
BENCHMARK	
SHOEBOX LIGHT TO BE REMOVED	
SHOEBOX LIGHT TO BE RELOCATED	
SHOEBOX LIGHT TO REMAIN	
HOLOPHANE LIGHT TO BE REMOVED	
HOLOPHANE LIGHT TO BE RELOCATED	
LIGHT POLE TO BE REMOVED	
LIGHT POLE TO REMAIN	
LIGHT REMOVED	
LIGHT RELOCATED	
LIGHT TO REMAIN	
SIGNAL EQUIPMENT JUNCTION BOX	
LIGHTCORE	E1
AT&T TRANSMISSION	T11
WATER LINE	W
GOOGLE	W1
CONDUIT	
SPRINT	T14
QWEST	E2
ZAYO	T8
SUREWEST	T15
MCI VERIZON	
TIME WARNER	T7
STEAM	STEAM
ACSI	T9
TV	CTV
GAS	G
UNDERGROUND POWER LINES	E
RIGHT-OF-WAY LINE	

PROPOSED

EXISTING TRACK ALIGNMENT	
TRACK ALIGNMENT AND TRACK SLAB	
RIGHT-HAND TURNOUT	
LEFT-HAND TURNOUT	
SAWCUT - ROADWAY	
PEDESTRIAN CROSSWALK	
STOP BAR	
TURN LANE ARROW	
DASHED WHITE PAINT	
DASHED / SOLID YELLOW PAINT	
SOLID WHITE PANIT	
STOP PLATFORM	

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:13:38 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
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CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	G035
SHEET NO.:	06

GENERAL NOTES - KANSAS CITY STREETCAR

1. ALL MATERIALS AND WORK REQUIRED FOR THE PROJECT SHALL CONFORM TO THE KANSAS CITY METRO CHAPTER APWA STANDARD SPECIFICATIONS (AND SUPPLEMENTS) AND DESIGN CRITERIA, AS REVISED, ADOPTED AND PROVIDED BY KCMO ON THE KCMO.GOV WEBSITE.

2. RIGHT-OF-WAY LINES SHOWN ARE BASED ON RECORDED SURVEY INFORMATION ON RECORD WITH THE CITY OF KANSAS CITY AND JACKSON COUNTY.

3. CONTRACTOR TO VERIFY VERTICAL CLEARANCES FROM THE PROPOSED TRACKS TO OVERHEAD FACILITIES (ELECTRIC, CABLE, TELEPHONE).

4. ALL GRADIENTS ARE IN PERCENT UNLESS NOTED OTHERWISE.

5. THE KANSAS CITY STREETCAR TRACK IS DESIGNED PER THE KANSAS CITY STREETCAR DESIGN CRITERIA.

6. STATIONING SHOWN ON TYPICAL SECTIONS IS APPROXIMATE. ALL STATIONING REFERS TO NORTHBOUND TRACK, UNLESS NOTED OTHERWISE.

7. GUIDELINES FROM THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION'S (AREMA) "MANUAL FOR TRACK ENGINEERING", LATEST EDITION, ARE USED FOR VARIOUS ASPECTS OF THE DESIGN.

8. GUIDELINES FROM THE FHWA "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), 2009 EDITION, AND KANSAS CITY PUBLIC WORKS STANDARD DRAWINGS, LATEST REVISION, ARE USED FOR VARIOUS ASPECTS OF THE DESIGN.

9. TRACK PROFILES REPRESENT TOP OF RAIL PROFILE UNLESS NOTED OTHERWISE. WHERE APPLICABLE, SIDING TOP OF RAIL PROFILE SIMILAR.

10. THE RAIL PROFILE IS ALWAYS CARRIED ON THE LOW RAIL THROUGH SUPERELEVATED HORIZONTAL CURVES AND SPIRALS.

11. SUPERELEVATION IS ACCOMPLISHED BY MAINTAINING TOP OF INSIDE (LOW) RAIL AT PROFILE GRADE AND BY RAISING OUTSIDE (HIGH) RAIL AN AMOUNT EQUAL TO THE SUPERELEVATION.

12. UTILITIES SHOWN ON THE PLAN SHEETS ARE BASED ON INFORMATION RECEIVED FROM MUNICIPALITIES, AGENCIES, AND PRIVATE COMPANIES. ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION THROUGH POTHOLING AND FIELD SURVEY.

13. TRACKS ON PLAN AND PROFILE DRAWINGS ARE INDICATED BY CENTERLINE OF TRACK. EXCEPT WHERE INDICATED, OFFSET DISTANCES FROM TRACK TO OTHER FACILITIES ARE MEASURED FROM CENTERLINE OF TRACK.

14. FOR NO. 4 TURNOUTS, STATIONING THROUGH DIVERGING LEGS OF TURNOUTS IS MEASURED ON THE CENTERLINE OF TRACK AND ALONG THE TANGENT EXTENSION LINES OF THE TURNOUT. TRACK LENGTHS THROUGH THE TURNOUT RUN FROM THE POINT OF SWITCH (PT_SW) TO THE POINT OF INTERSECTION OF THE TURNOUT (PITO) AND ALONG THE TANGENT OF THE TURNOUT CLOSURE CURVE TO THE END OF THE TURNOUT CURVE AND BEYOND. SEE SHEETS K051-K086 FOR STATIONING THROUGH 25 METER TURNOUTS.

15. TURNOUT HEADBLOCK TIES AND SWITCH MACHINES SHALL BE INSTALLED BETWEEN THE RAILS AT THE LOCATION LABELED AS PT_SW ON THE PLANS.

16. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT FOR EXISTING CONDITIONS.

17. THE KANSAS CITY STREETCAR PROJECT IS FEDERALLY FUNDED; ALL MATERIALS MUST MEET BUY AMERICA REQUIREMENTS.

18. THESE GENERAL NOTES ARE GENERAL IN NATURE AND PROJECTWIDE. ANY NOTES ON SPECIFIC SHEETS THAT ARE IN CONFLICT SUPERCEDE THESE GENERAL NOTES.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:13:45 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

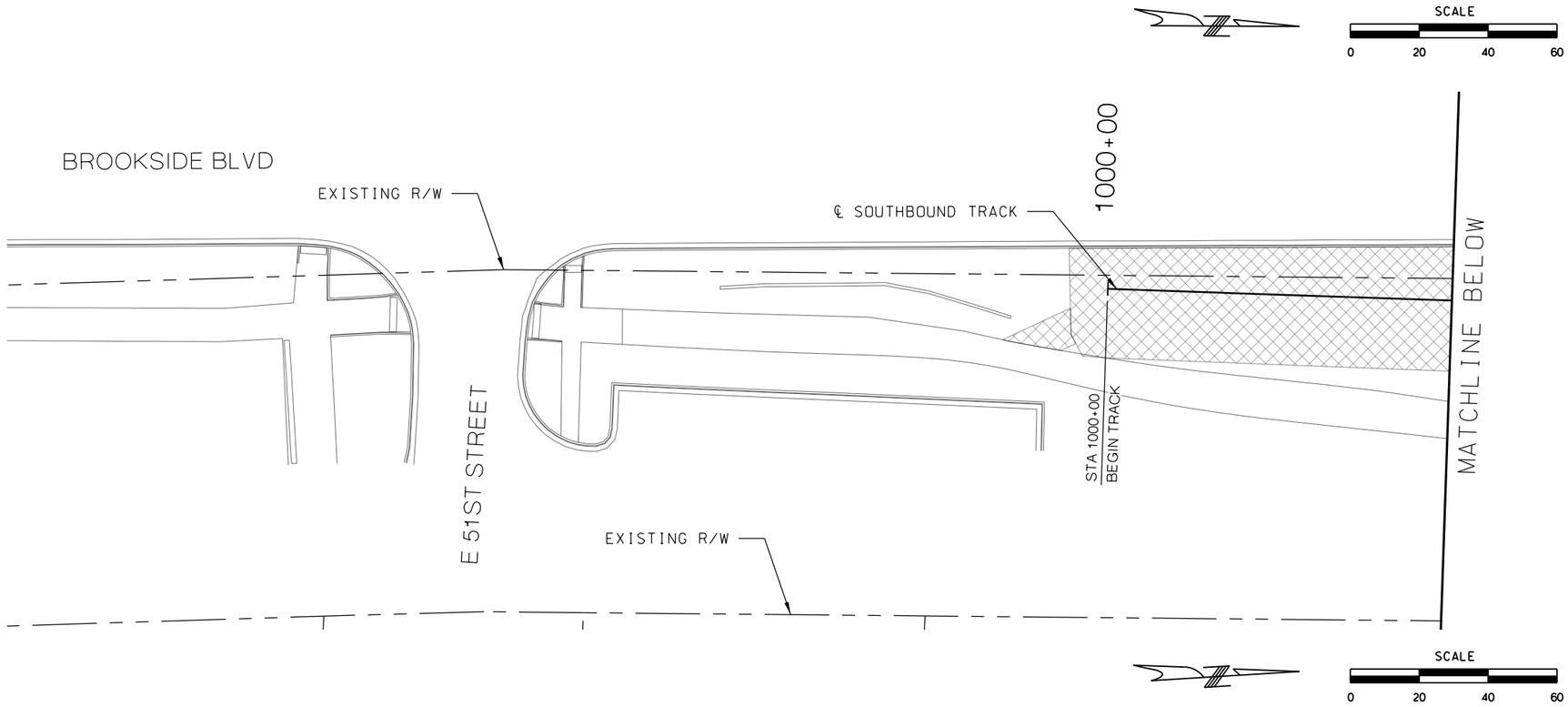
NOT FOR CONSTRUCTION

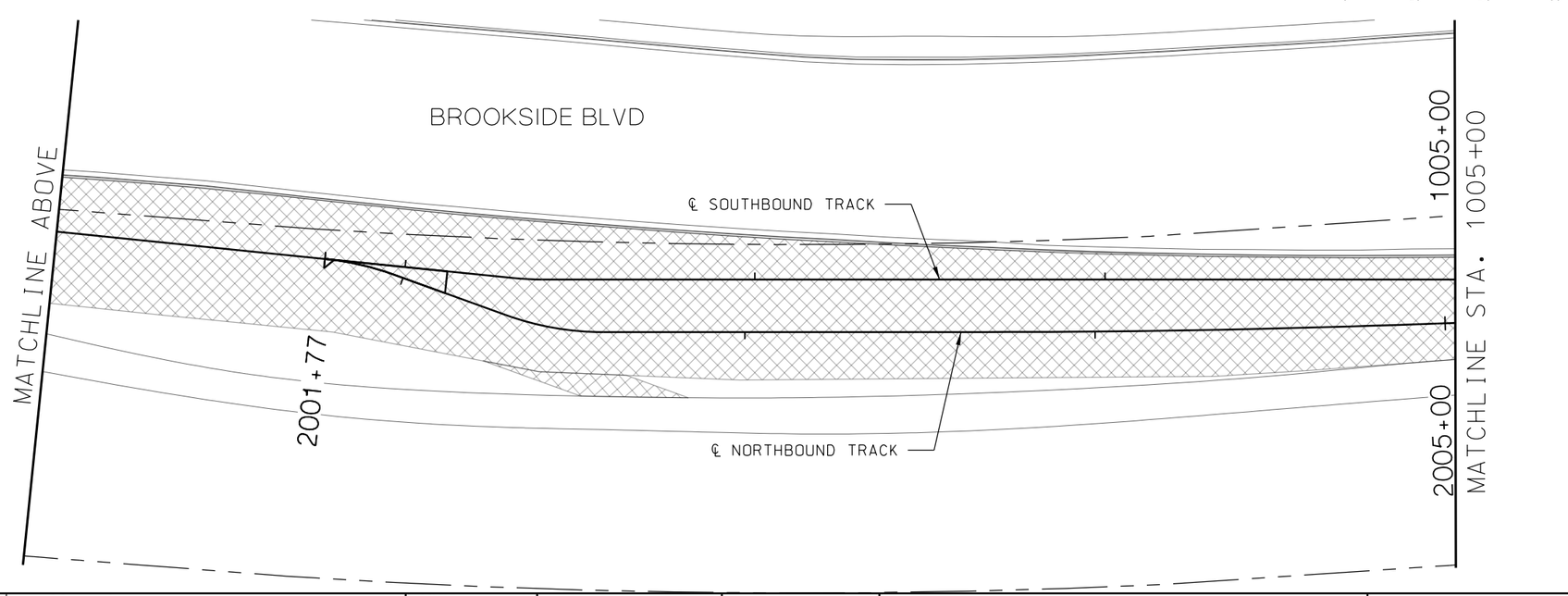
KANSAS CITY STREETCAR MAIN STREET EXTENSION

GENERAL NOTES

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	G040.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	G040
SHEET NO.:	07

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:02:12 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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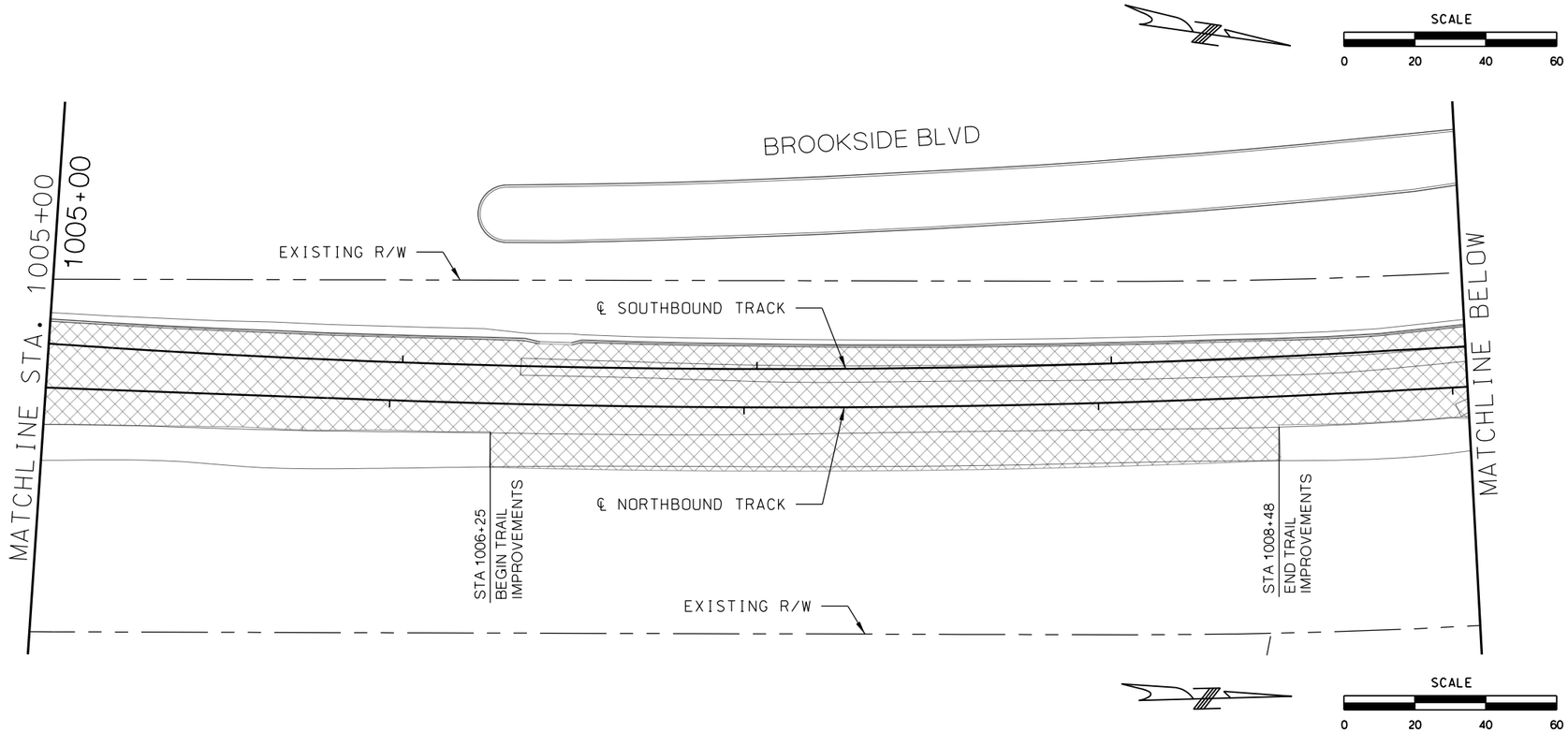
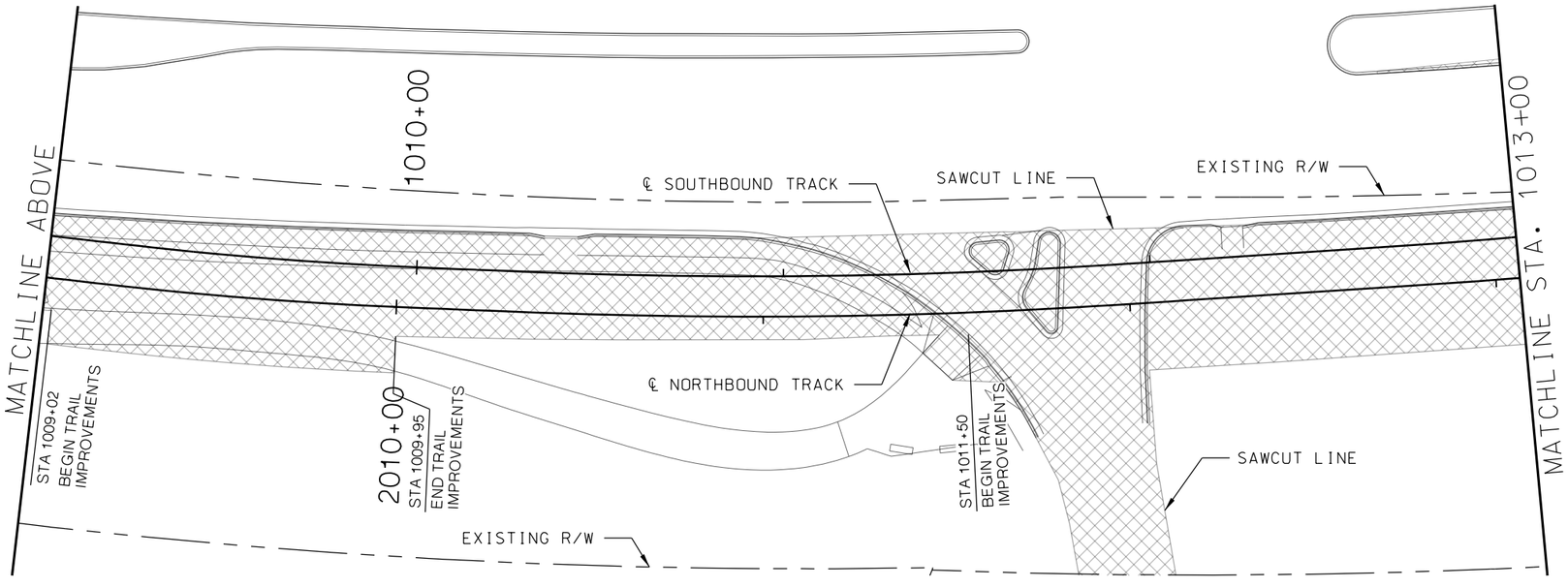
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA BEGIN TO STA 1001+00
STA 1001+00 TO STA 1005+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D101.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D101
SHEET NO.:	08

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:02:17 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

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PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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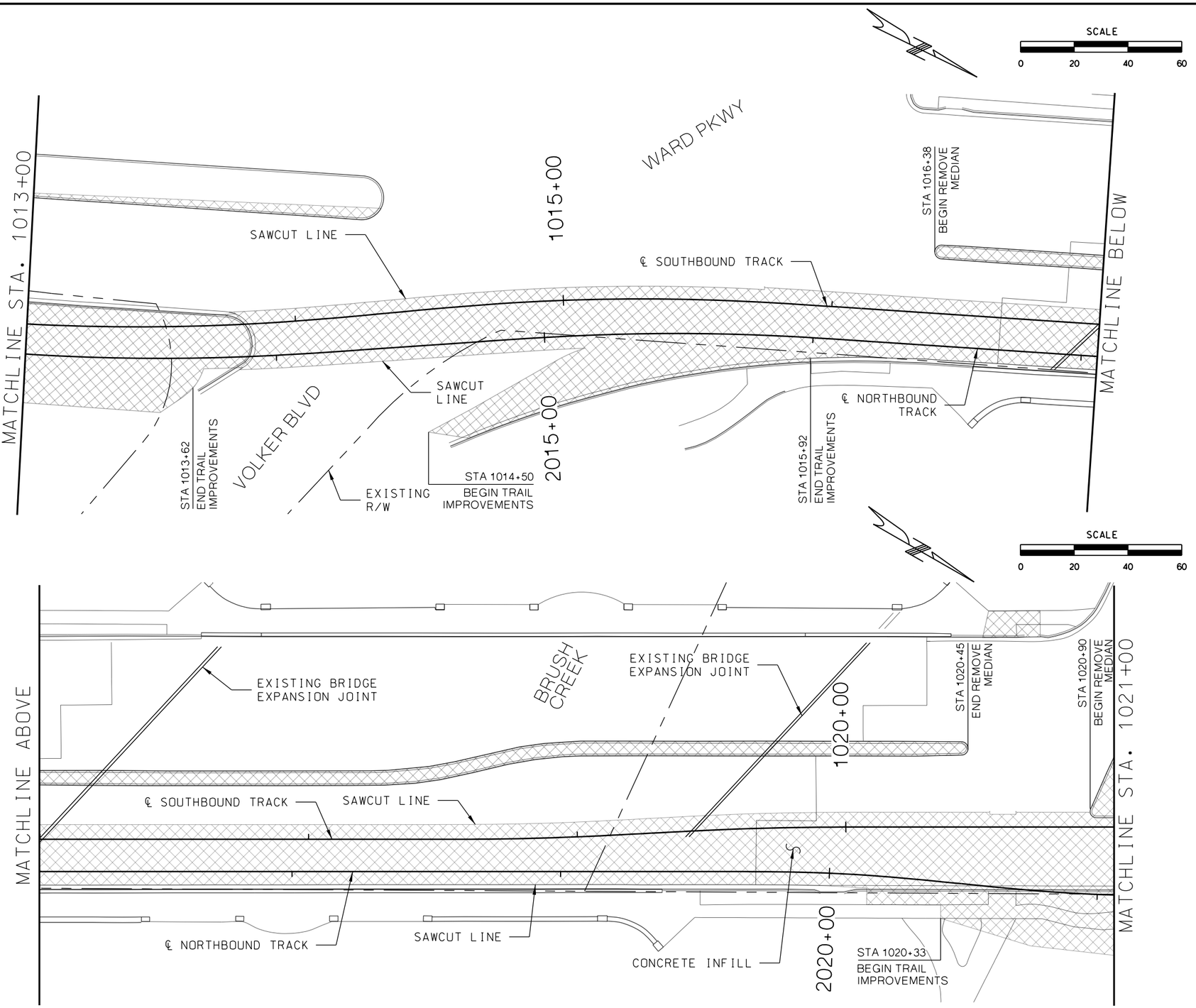
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1005+00 TO STA 1009+00
STA 1009+00 TO STA 1013+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D102.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D102
SHEET NO.:	09

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:10 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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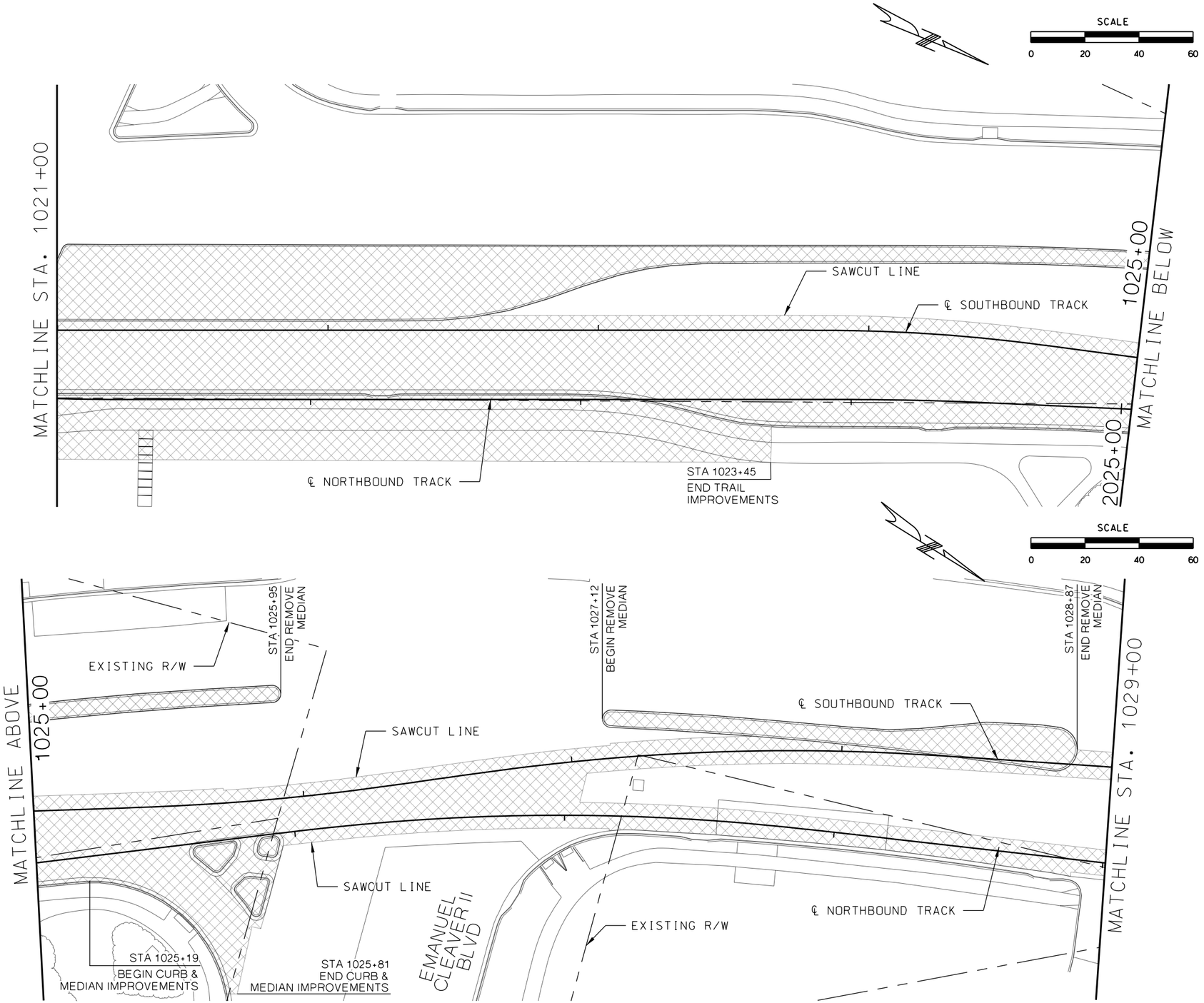
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1013+00 TO STA 1017+00
STA 1017+00 TO STA 1021+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: D103.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: D103	SHEET NO.: 10

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:15 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

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PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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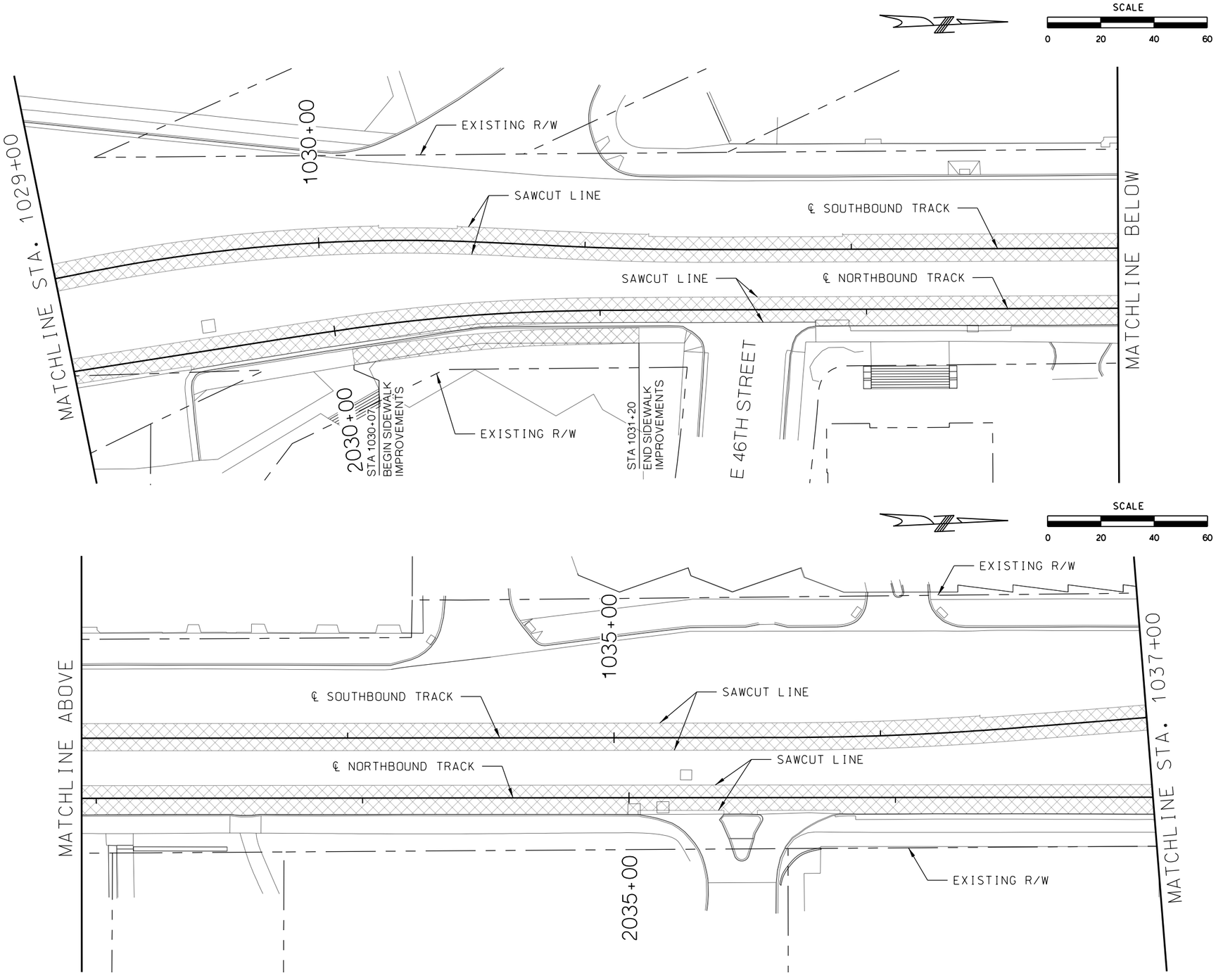
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1021+00 TO STA 1025+00
STA 1025+00 TO STA 1029+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: D104.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: D104	SHEET NO.: 11

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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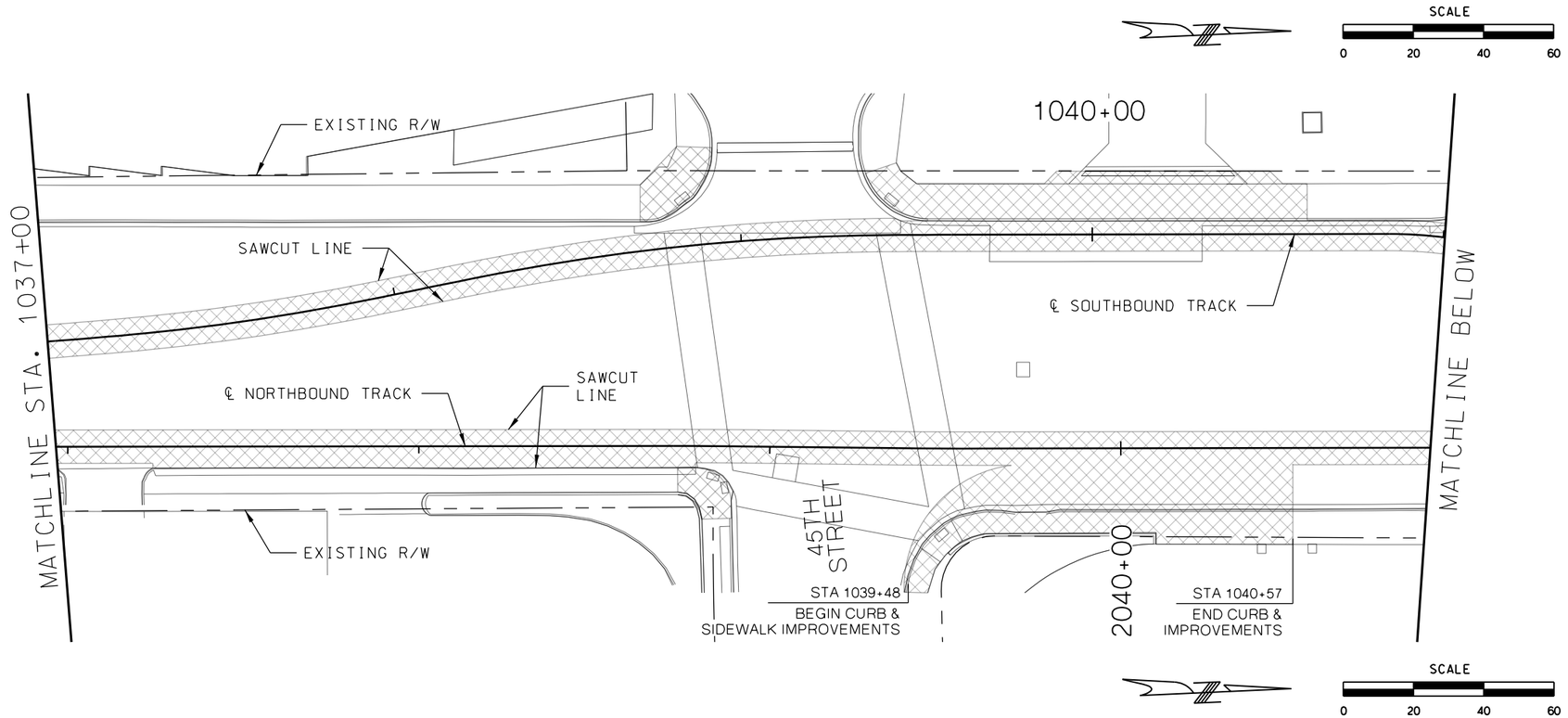
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1029+00 TO STA 1033+00
STA 1033+00 TO STA 1037+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D105.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D105
SHEET NO.:	12

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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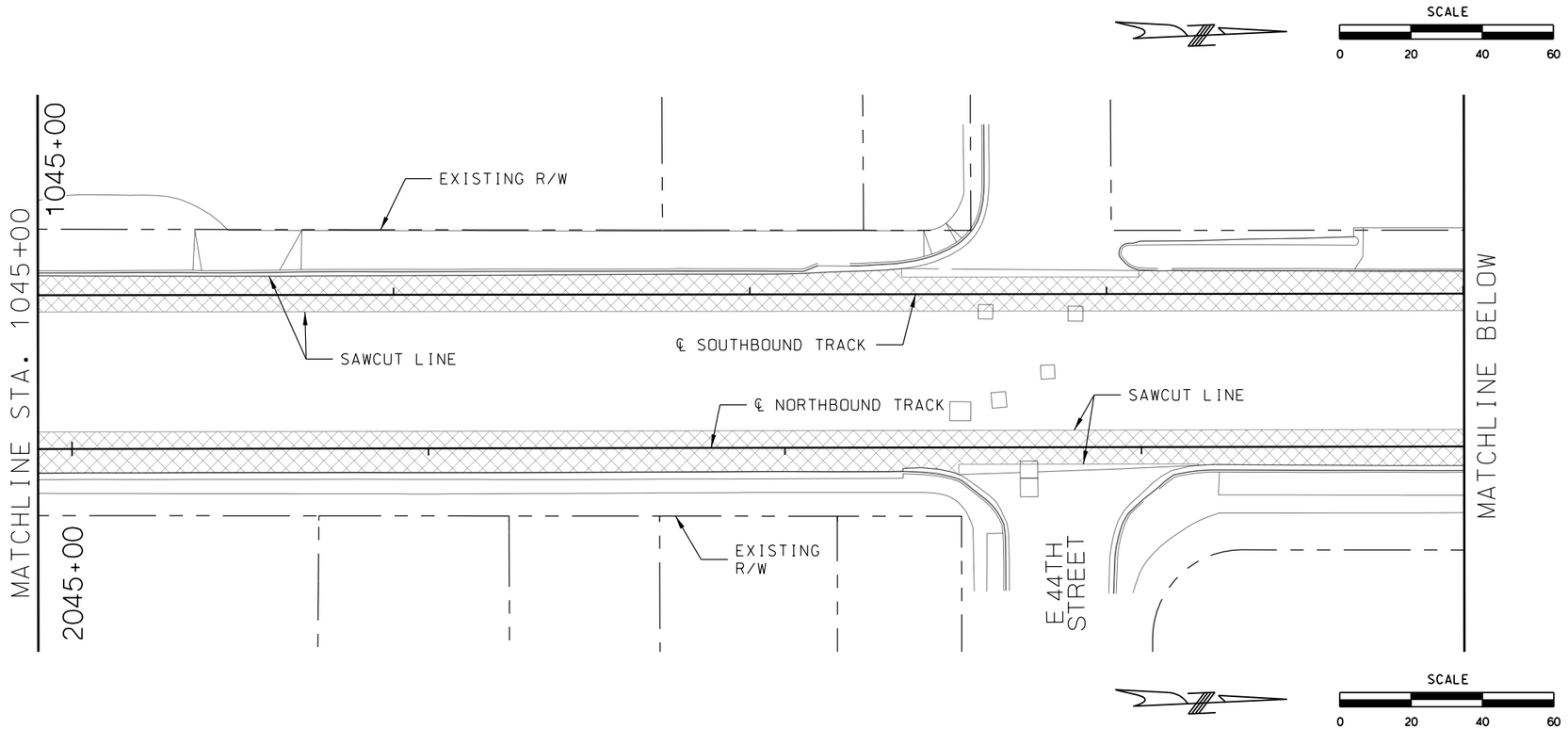
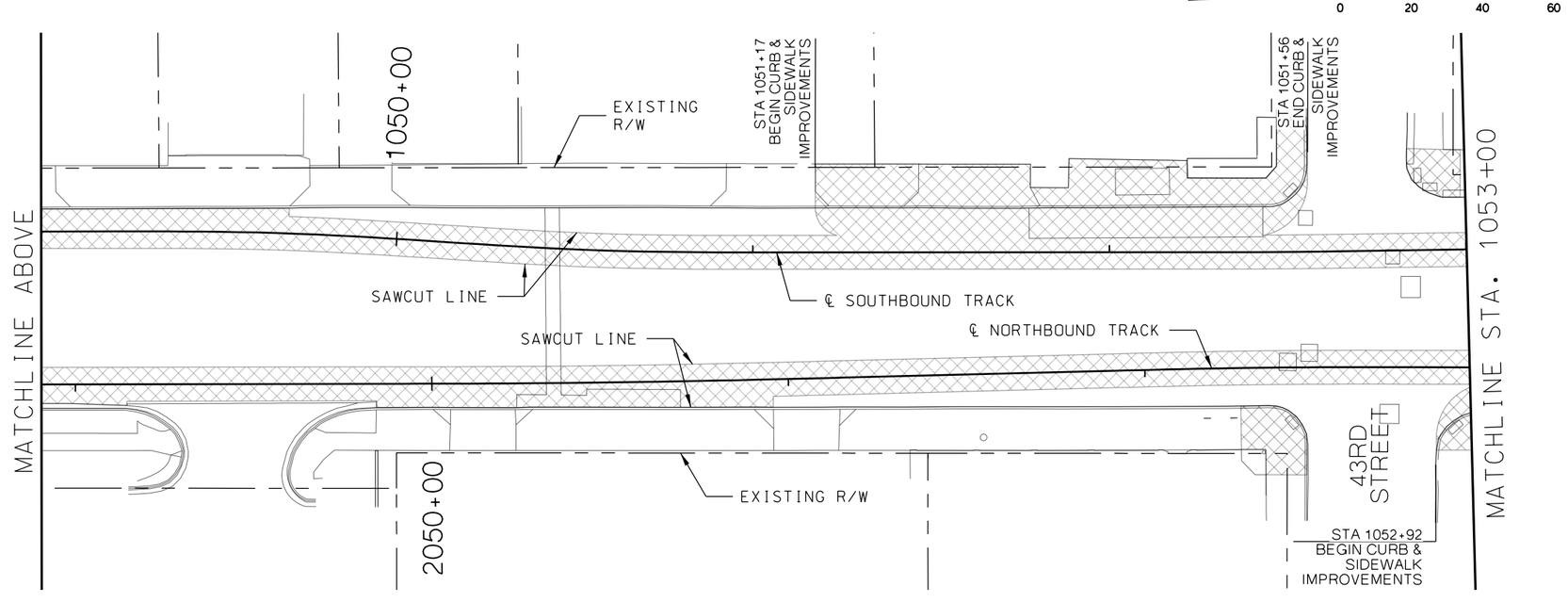
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1037+00 TO STA 1041+00
STA 1041+00 TO STA 1045+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D106.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D106
SHEET NO.:	13

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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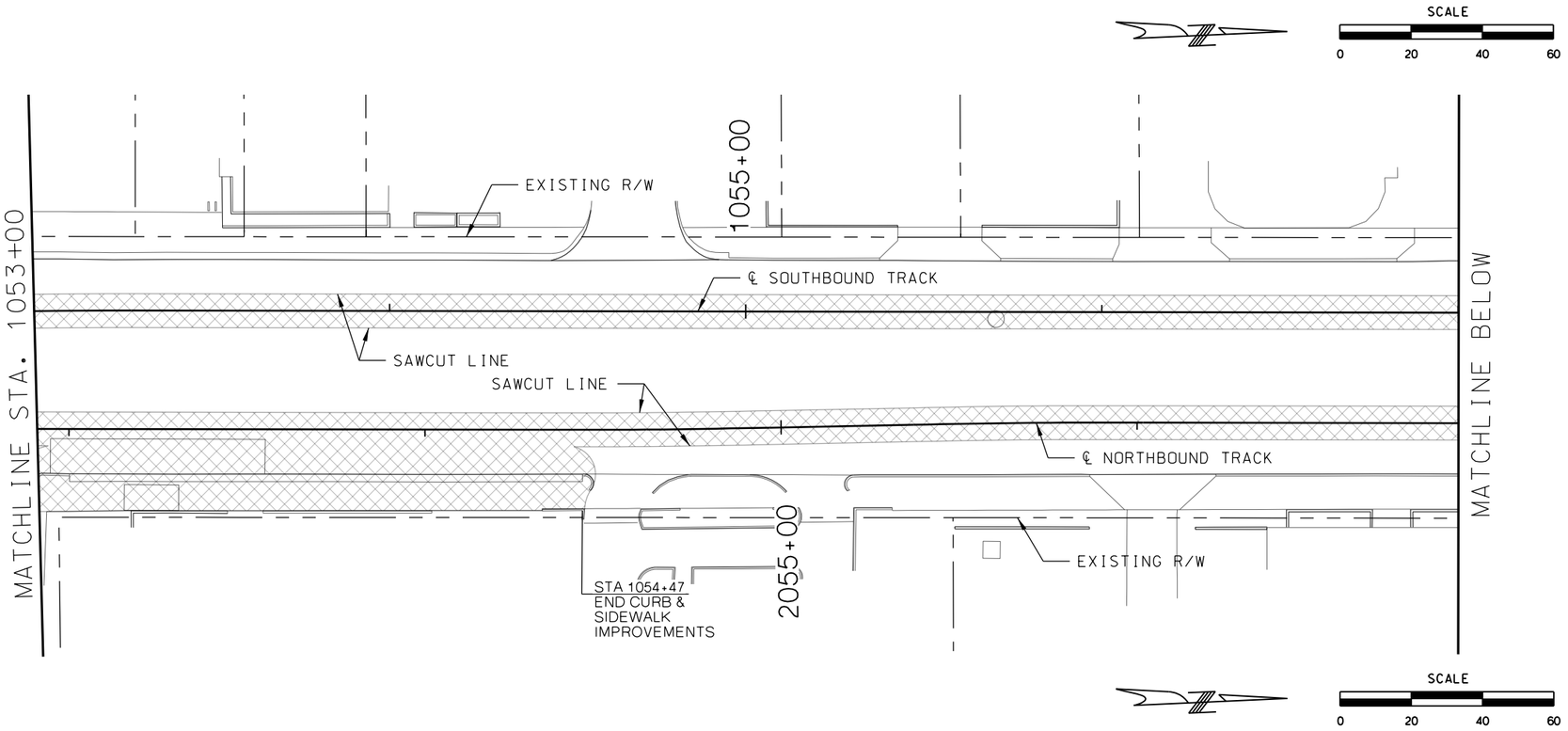
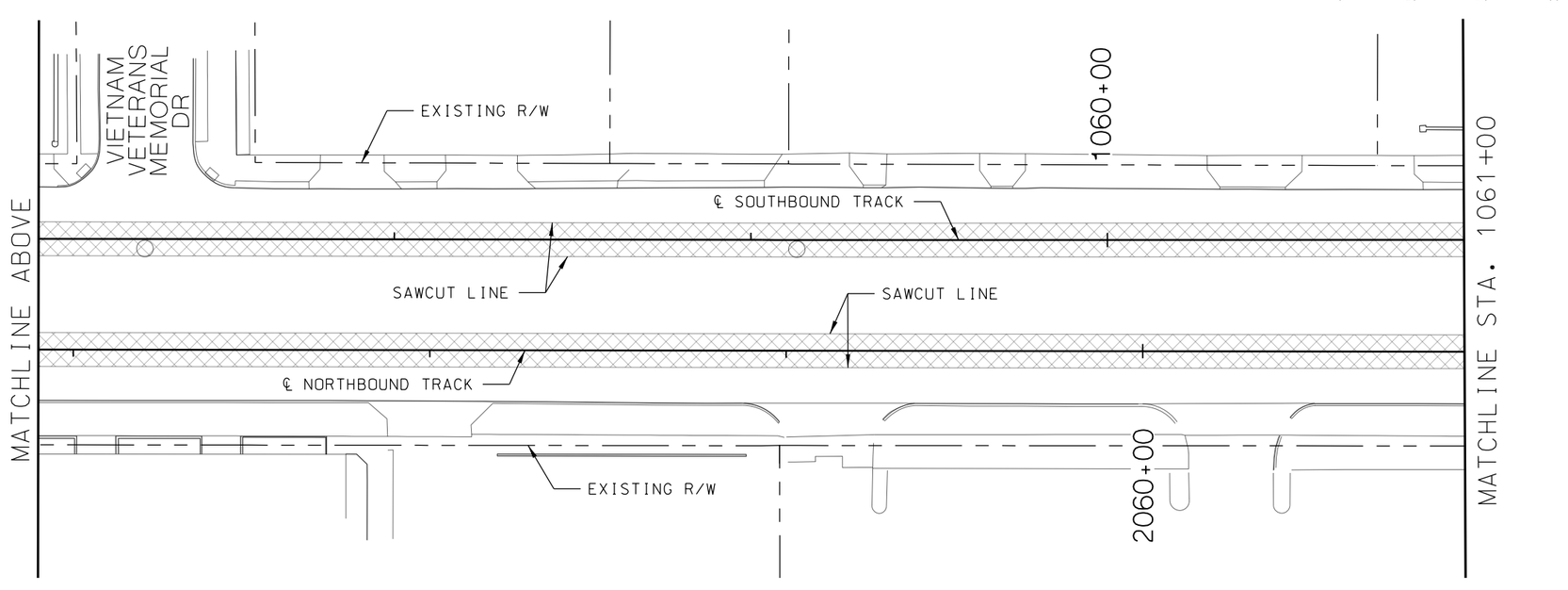
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1045+00 TO STA 1049+00
STA 1049+00 TO STA 1053+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D107.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D107
SHEET NO.:	14

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:51 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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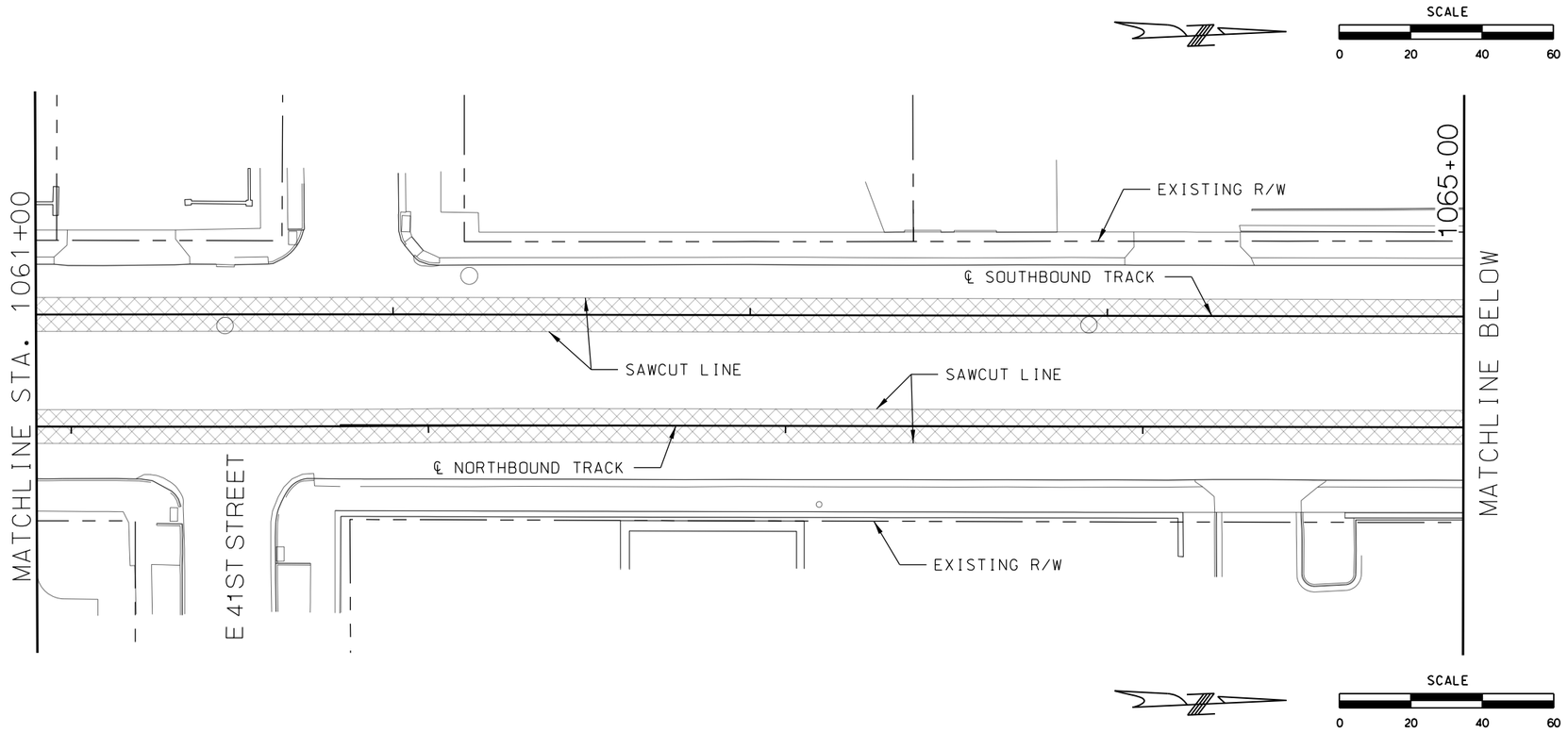
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1053+00 TO STA 1057+00
STA 1057+00 TO STA 1061+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D108.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	D108
SHEET NO.:	15

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:23:58 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

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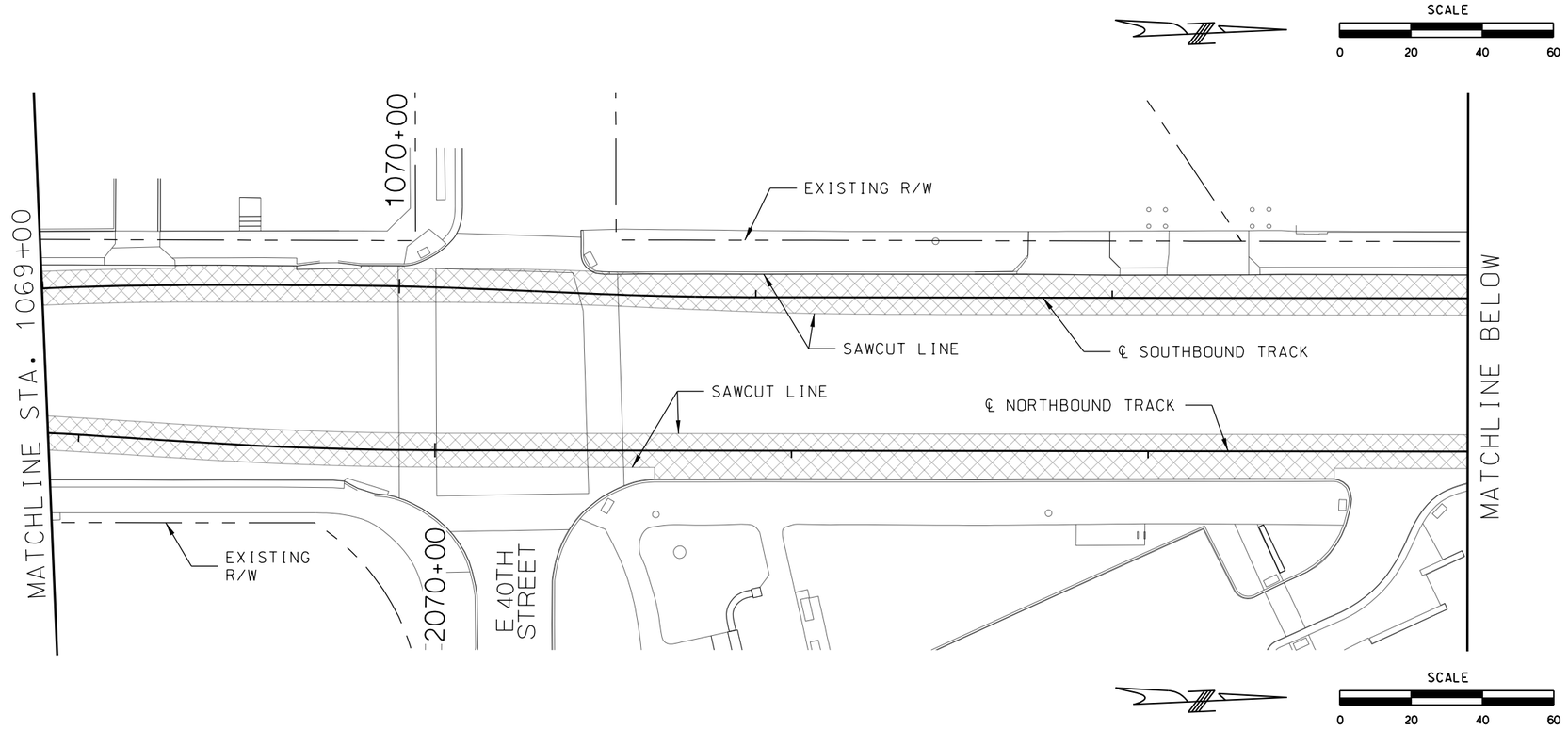
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1061+00 TO STA 1065+00
STA 1065+00 TO STA 1069+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D109.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D109
SHEET NO.:	16



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:03 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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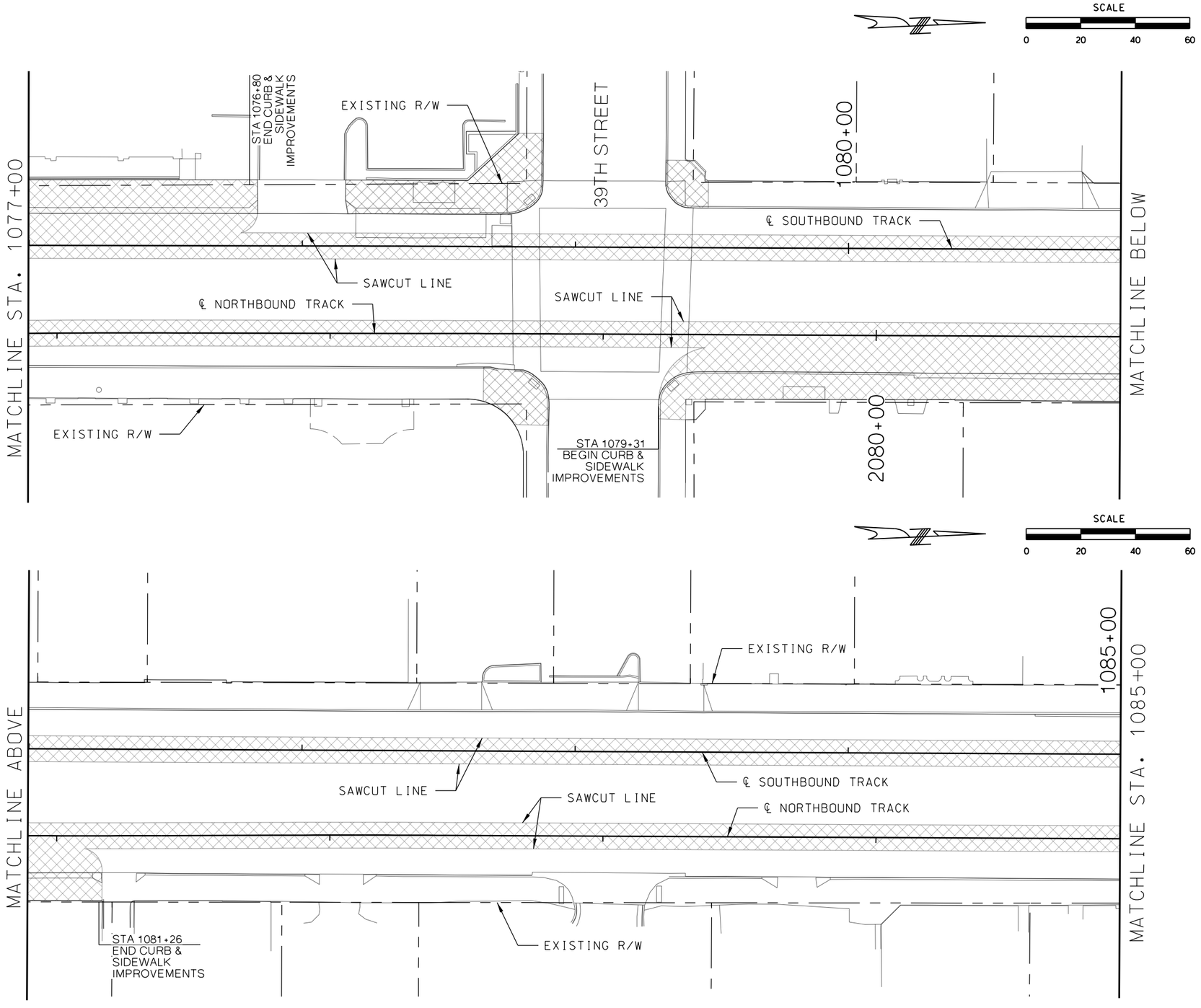
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1069+00 TO STA 1073+00
STA 1073+00 TO STA 1077+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D110.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	D110
SHEET NO.:	17

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:09 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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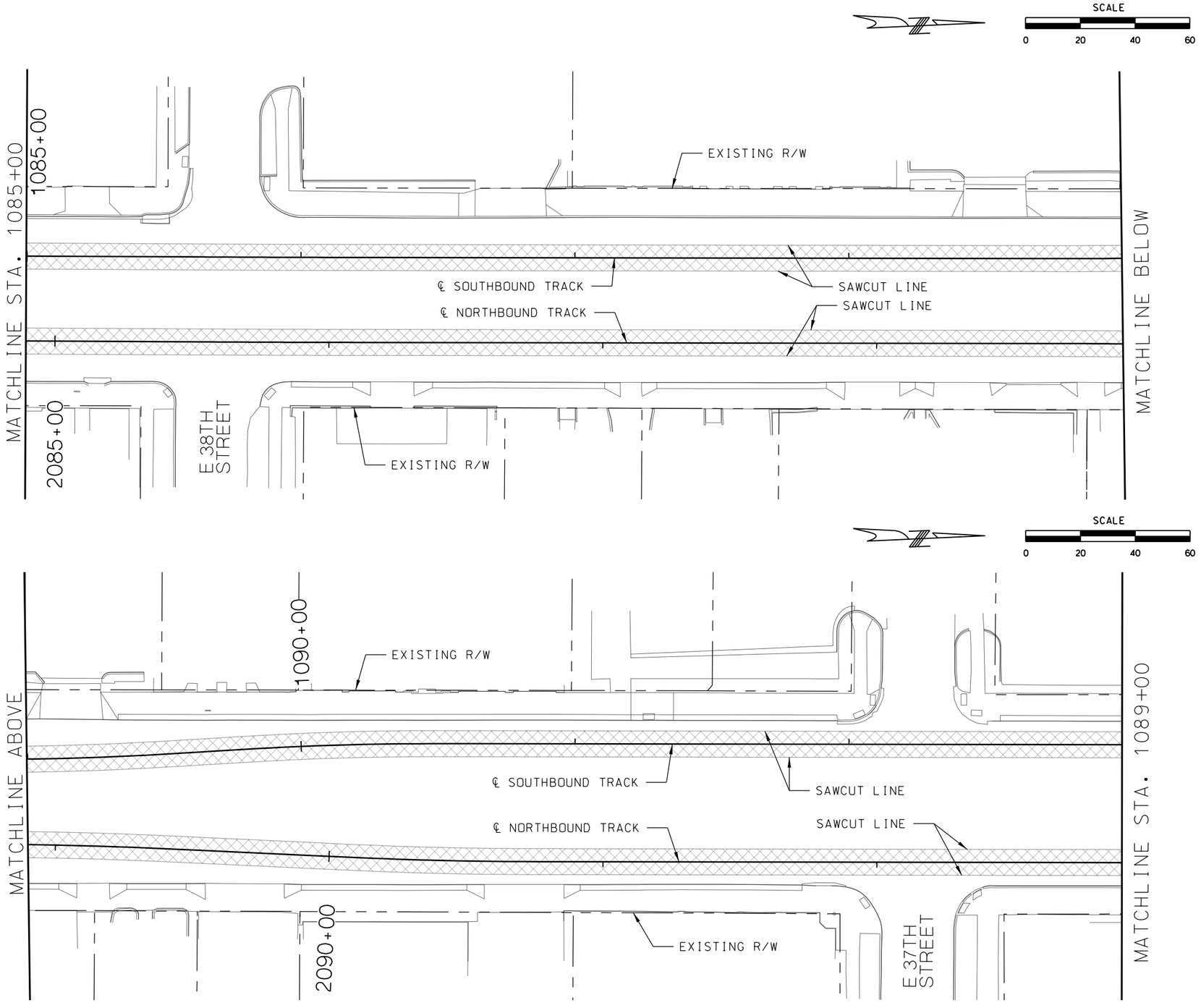
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1077+00 TO STA 1081+00
STA 1081+00 TO STA 1085+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D111.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	D111
SHEET NO.:	18

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:14 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
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Certificate of Authority: 000856

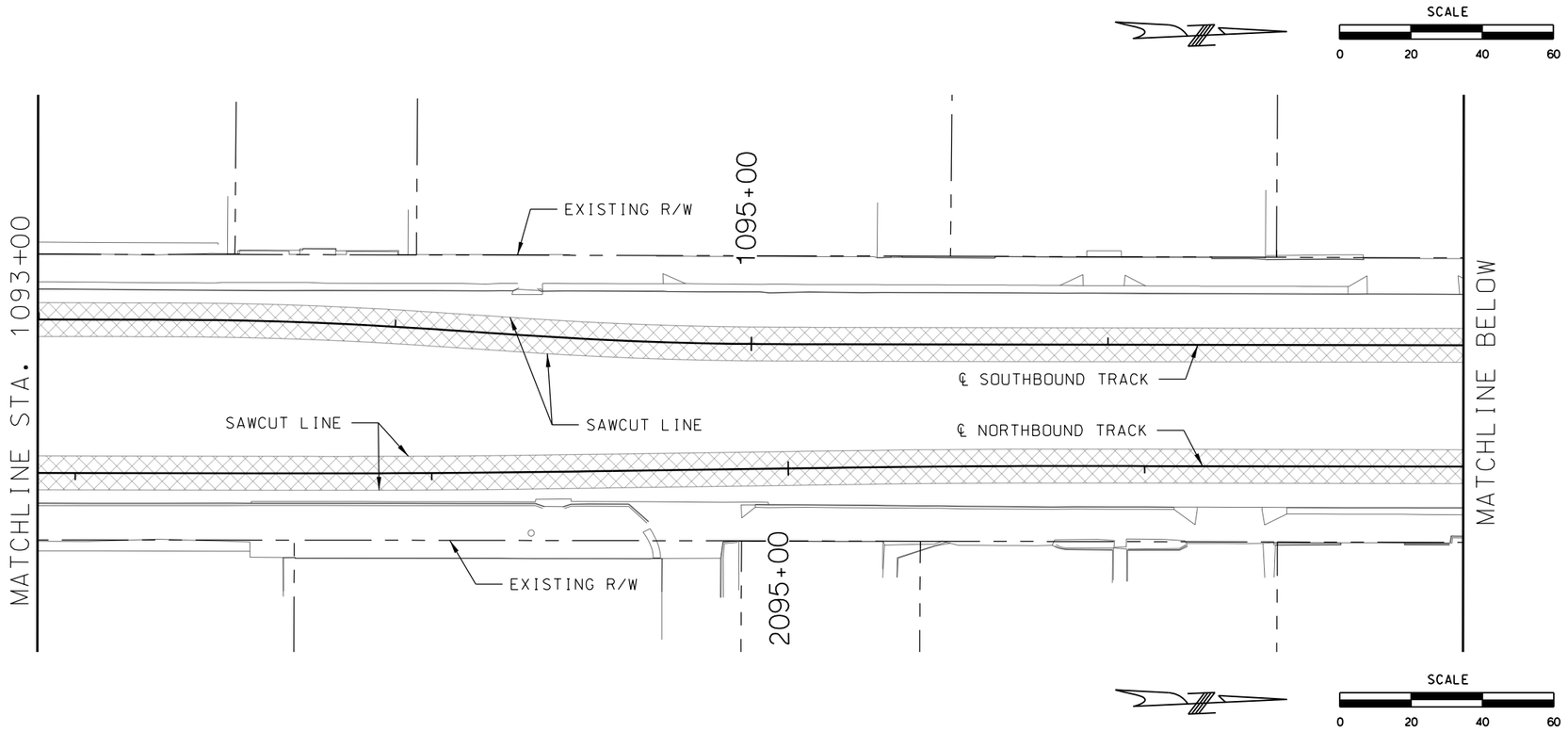
NOT FOR CONSTRUCTION

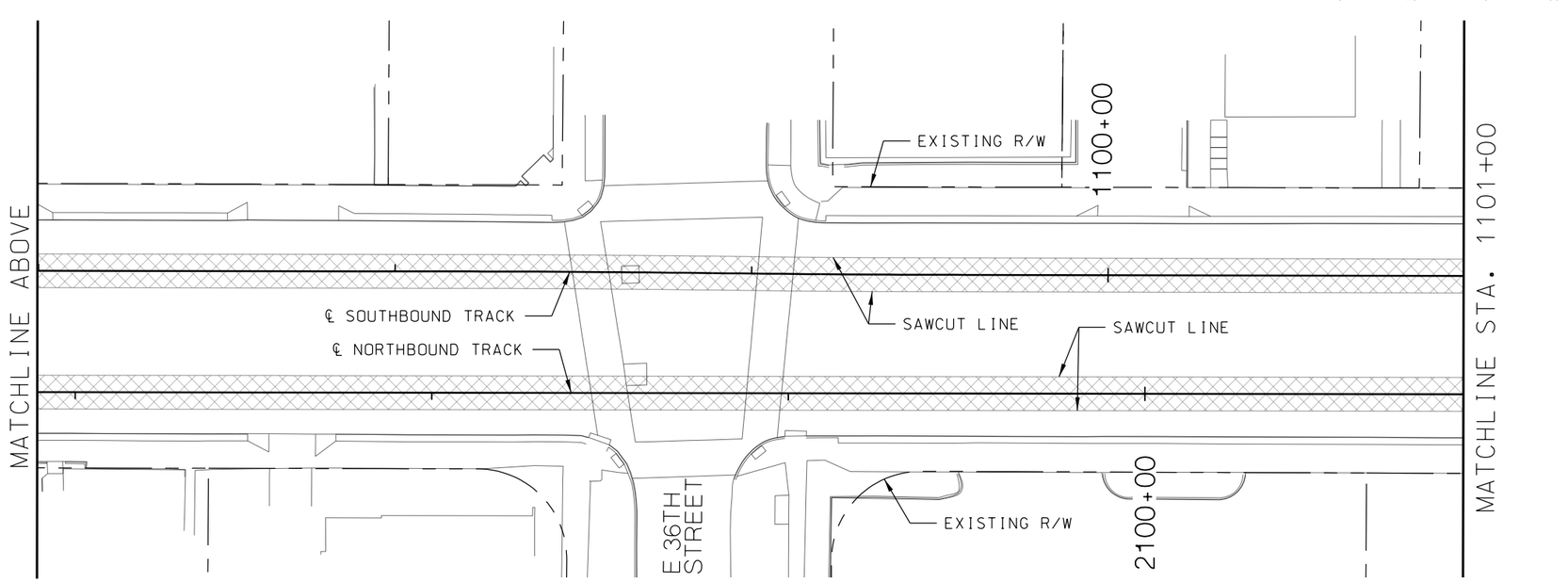
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1085+00 TO STA 1089+00
STA 1089+00 TO STA 1093+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D112.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D112
SHEET NO.:	19

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Certificate of Authority: 000856

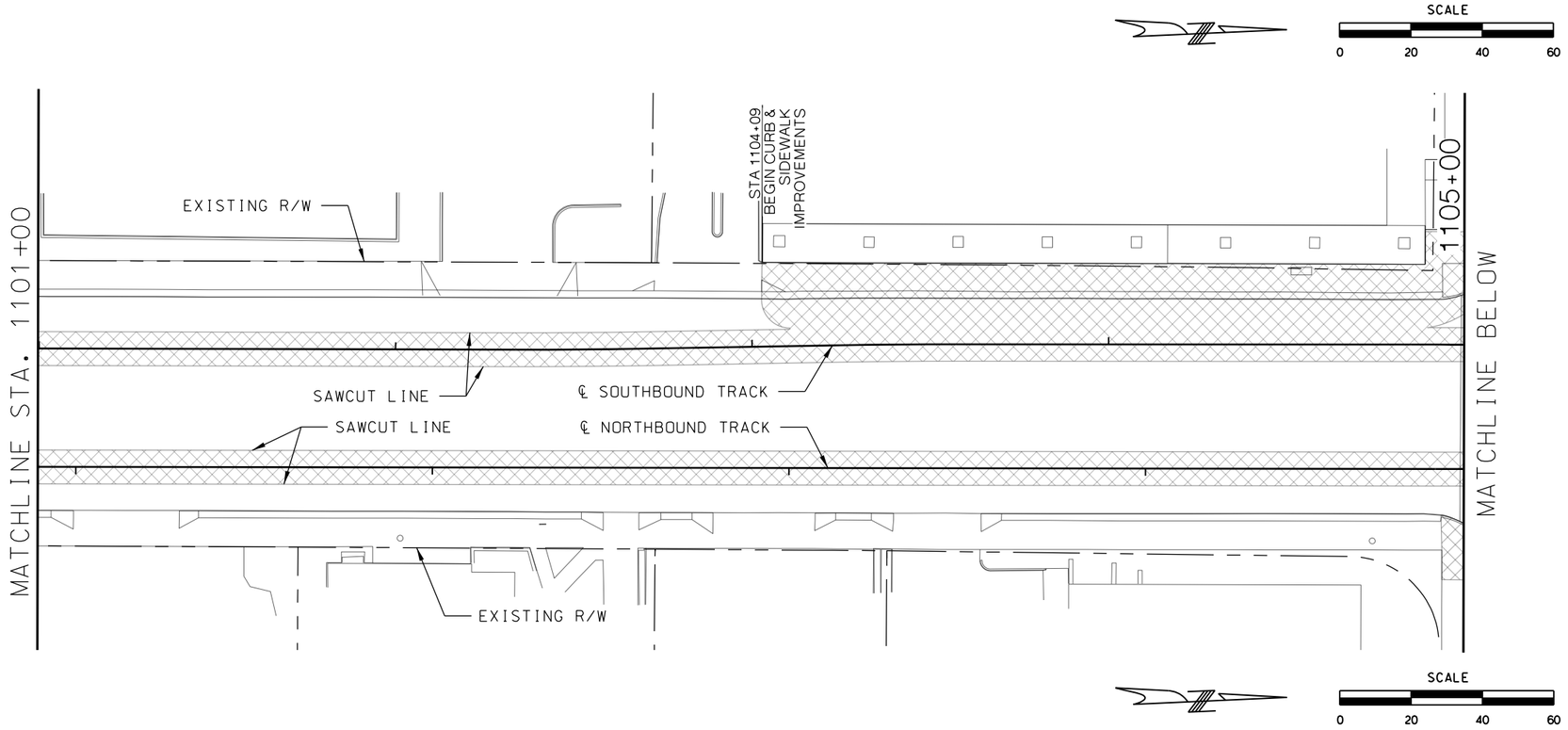
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1093+00 TO STA 1097+00
STA 1097+00 TO STA 1101+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D113.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D113
SHEET NO.:	20

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Certificate of Authority: 000856

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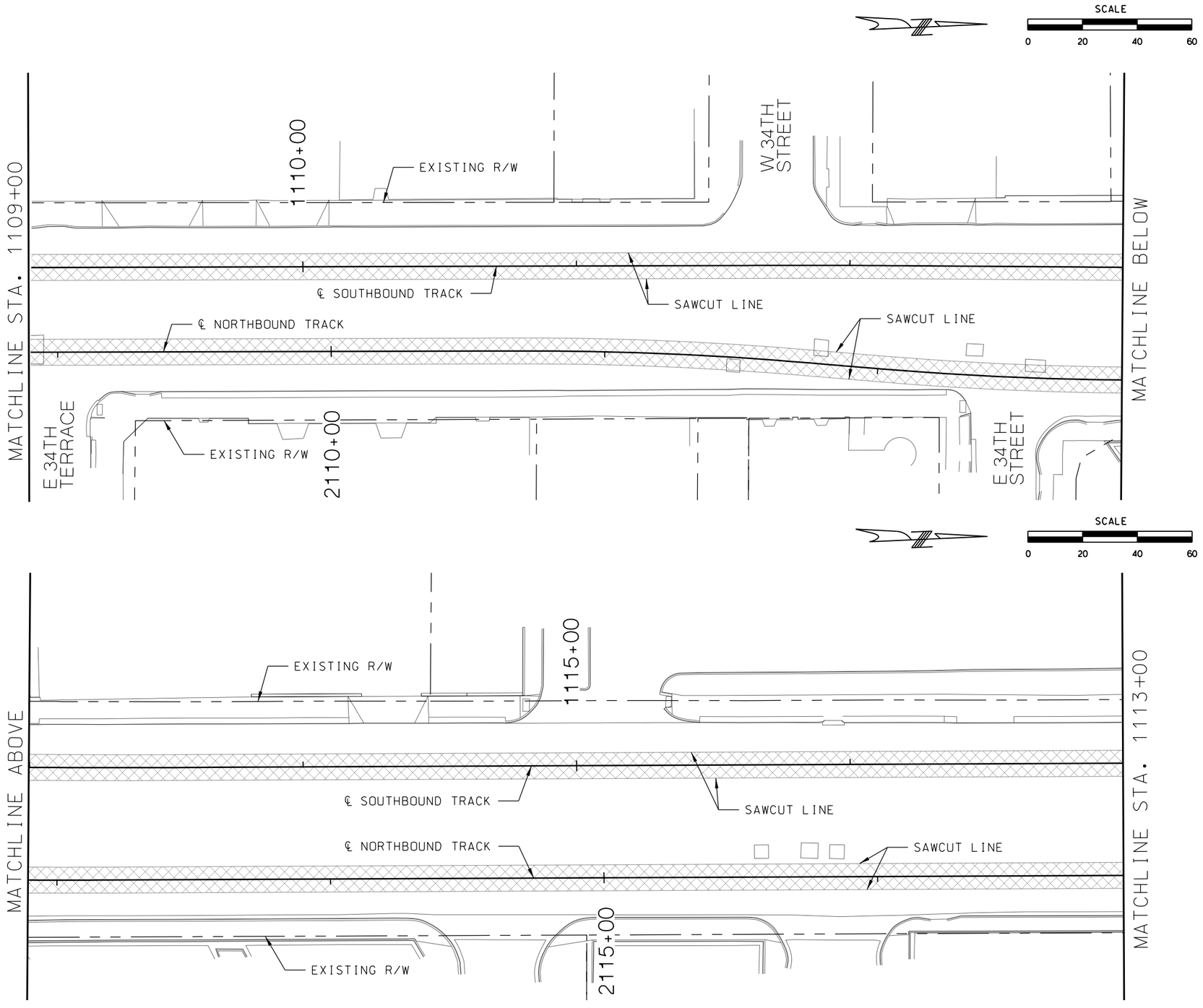
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1101+00 TO STA 1105+00
STA 1105+00 TO STA 1109+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D114.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D114
SHEET NO.:	21

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:32 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Certificate of Authority: 000856

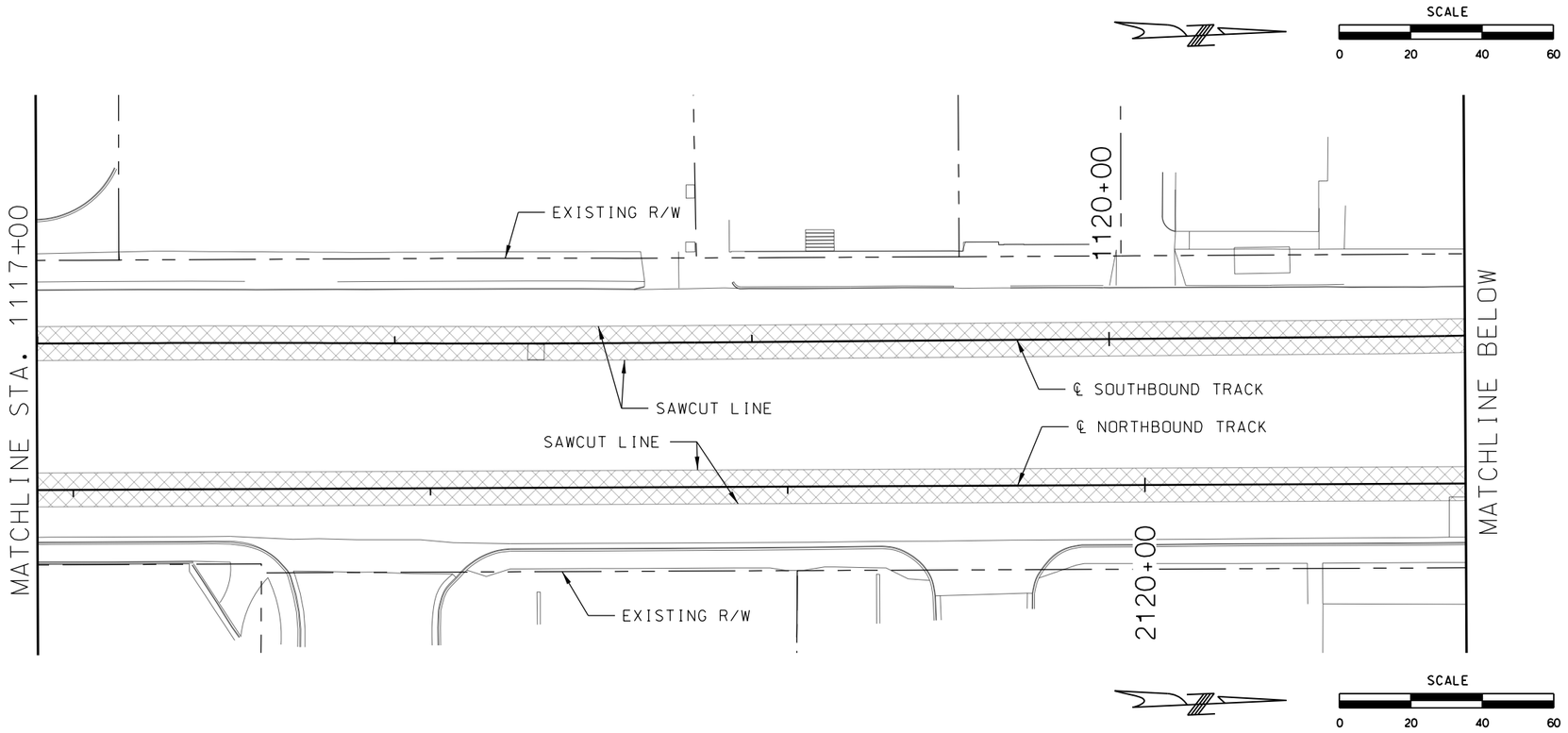
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1109+00 TO STA 1113+00
STA 1113+00 TO STA 1117+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D115.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D115
SHEET NO.:	22

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:37 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

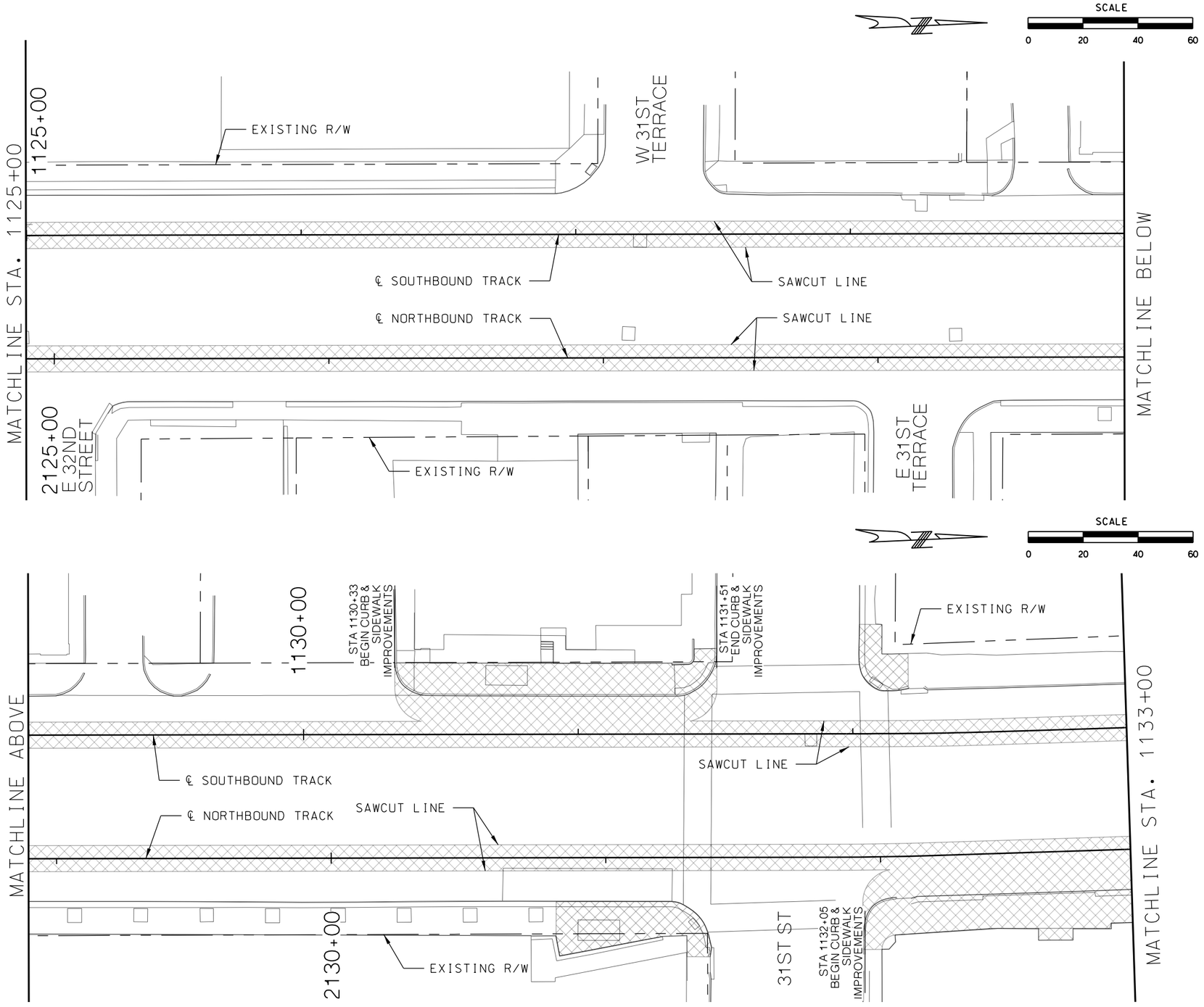
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1117+00 TO STA 1121+00
STA 1121+00 TO STA 1125+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D116.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D116
SHEET NO.:	23



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:43 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

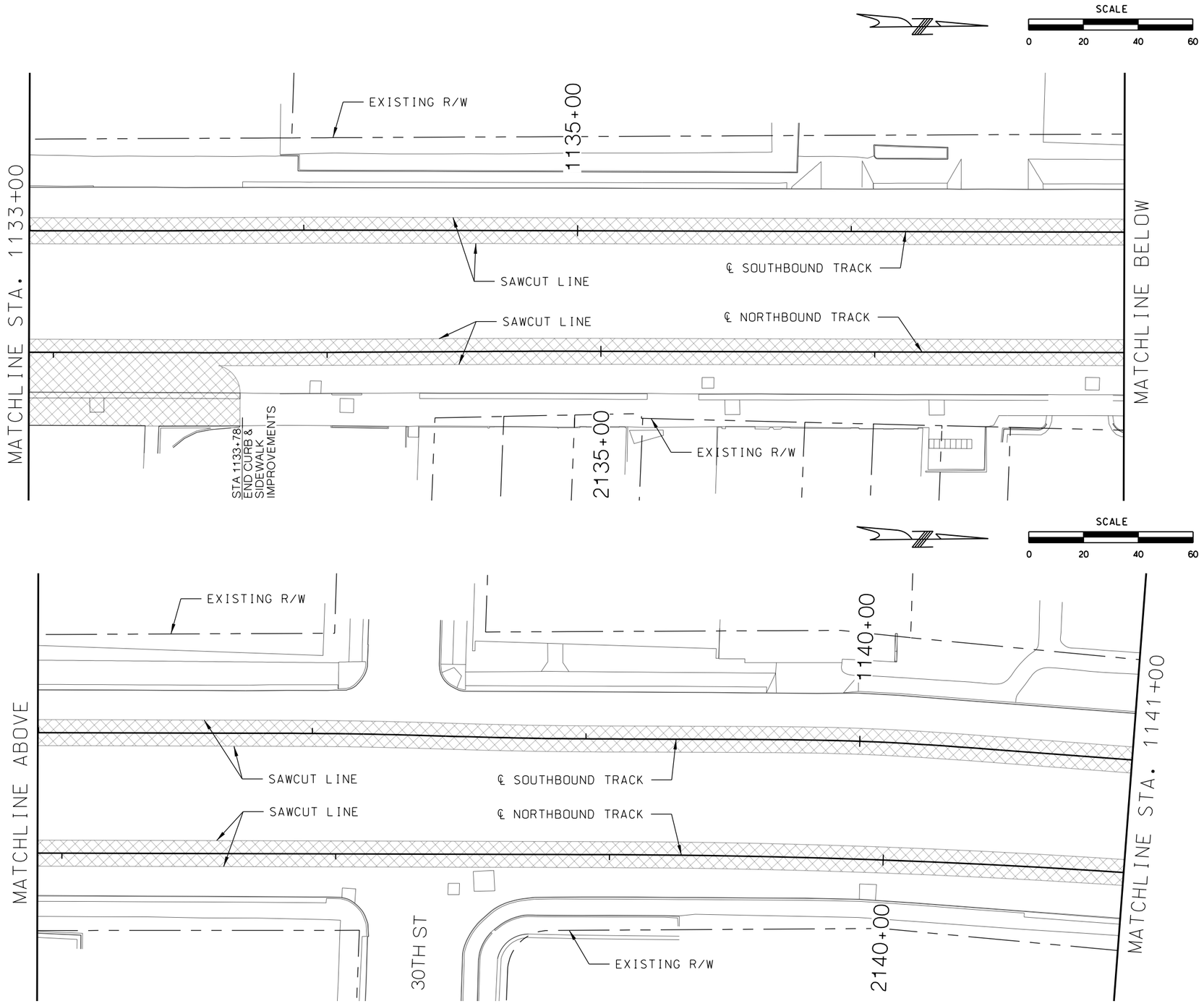
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1125+00 TO STA 1129+00
STA 1129+00 TO STA 1133+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D117.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D117
SHEET NO.:	24

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:49 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
Suite 600
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816-360-2700
Certificate of Authority: 000856

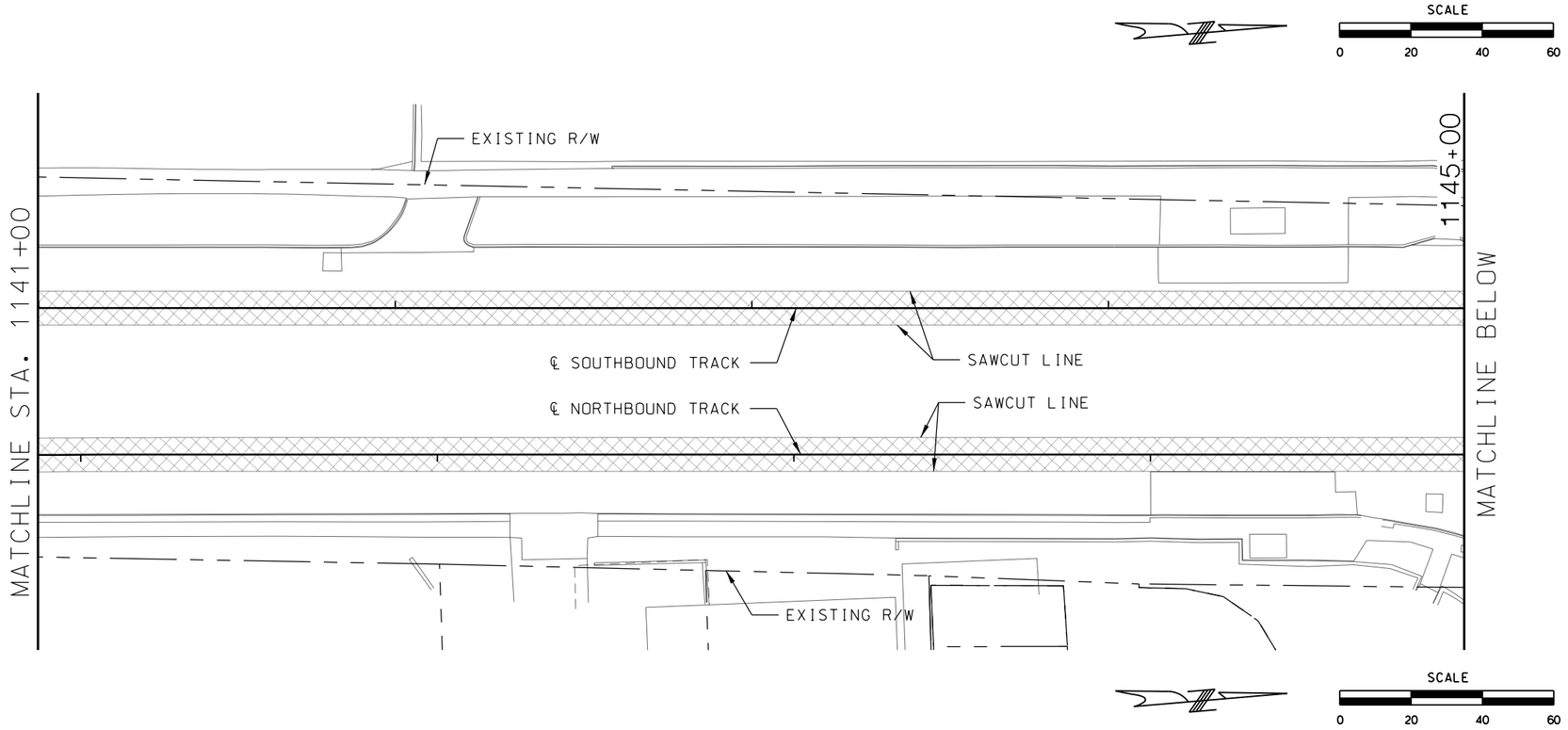
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1133+00 TO STA 1137+00
STA 1137+00 TO STA 1141+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D118.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D118
SHEET NO.:	25

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:24:56 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

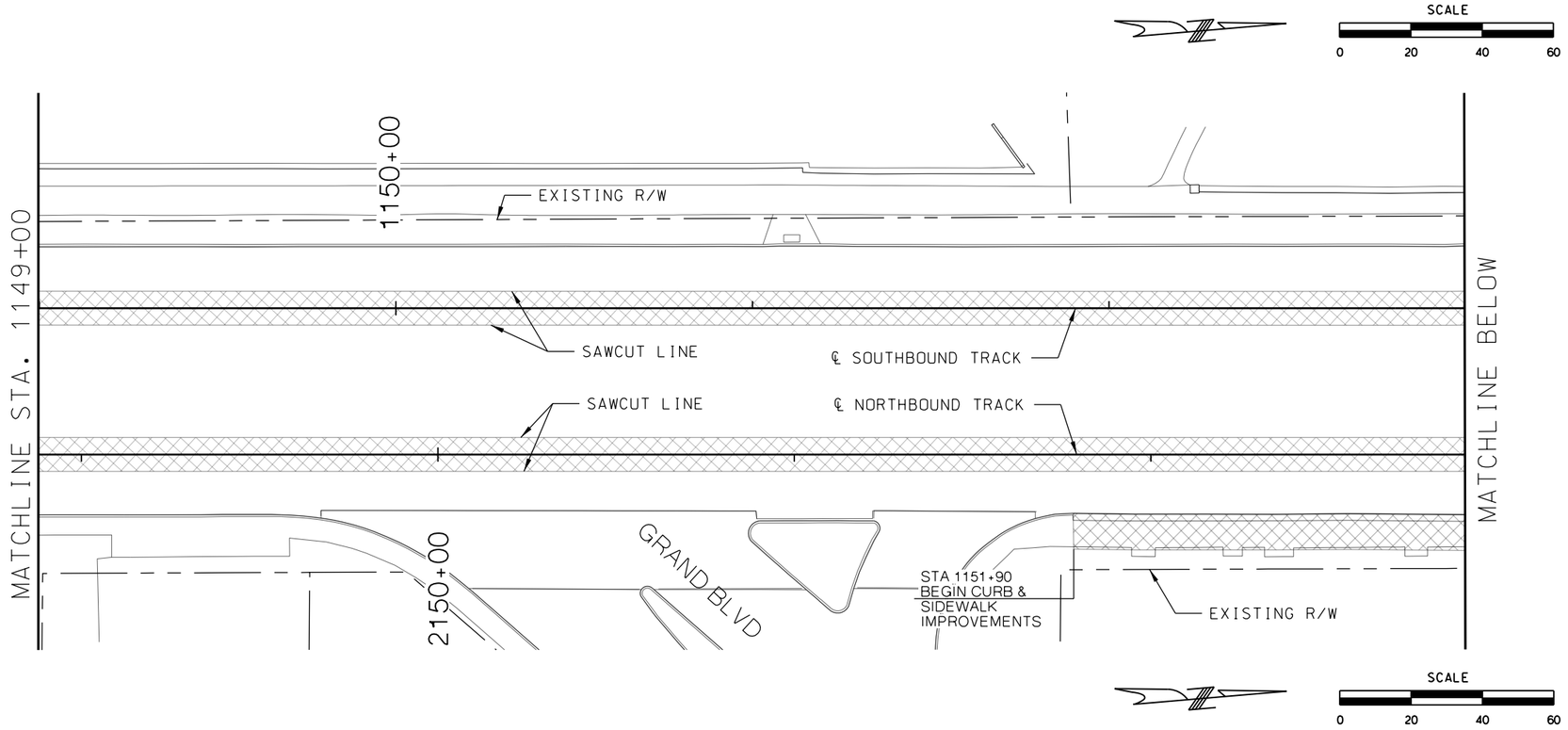
NOT FOR CONSTRUCTION

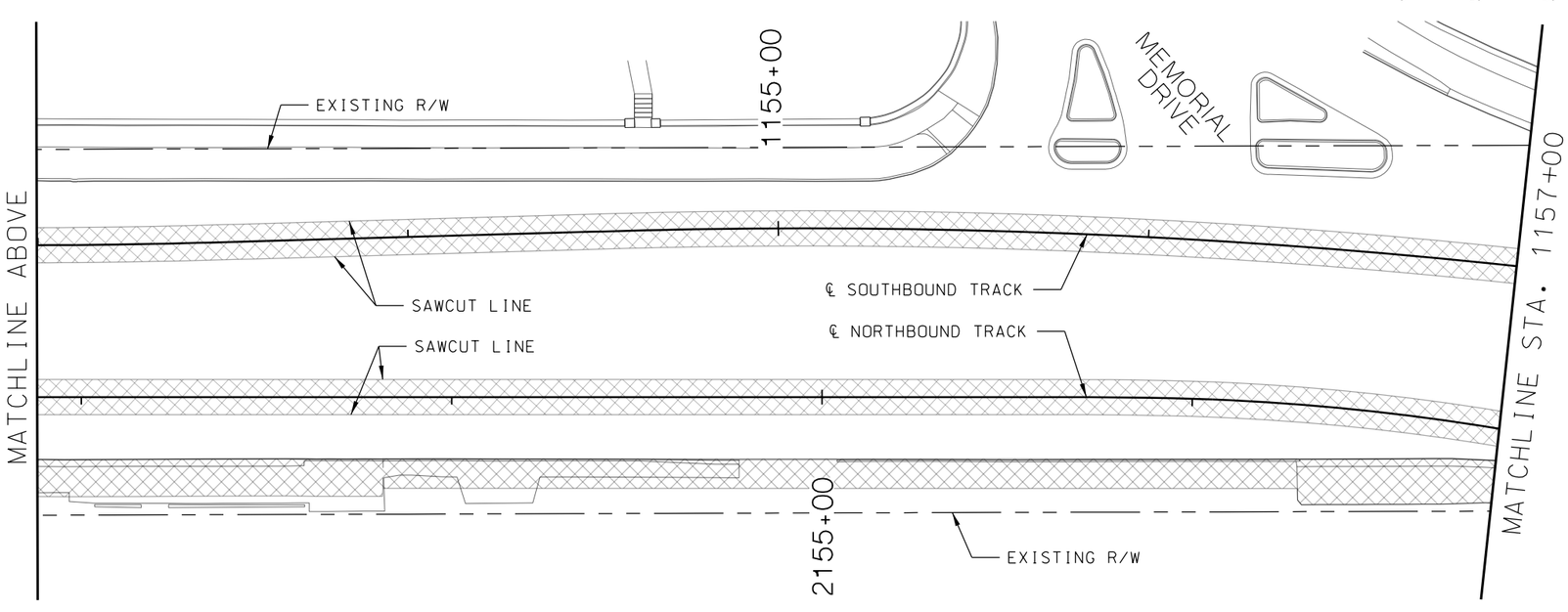
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1141+00 TO STA 1145+00
STA 1145+00 TO STA 1149+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D119.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D119
SHEET NO.:	26

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:25:02 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

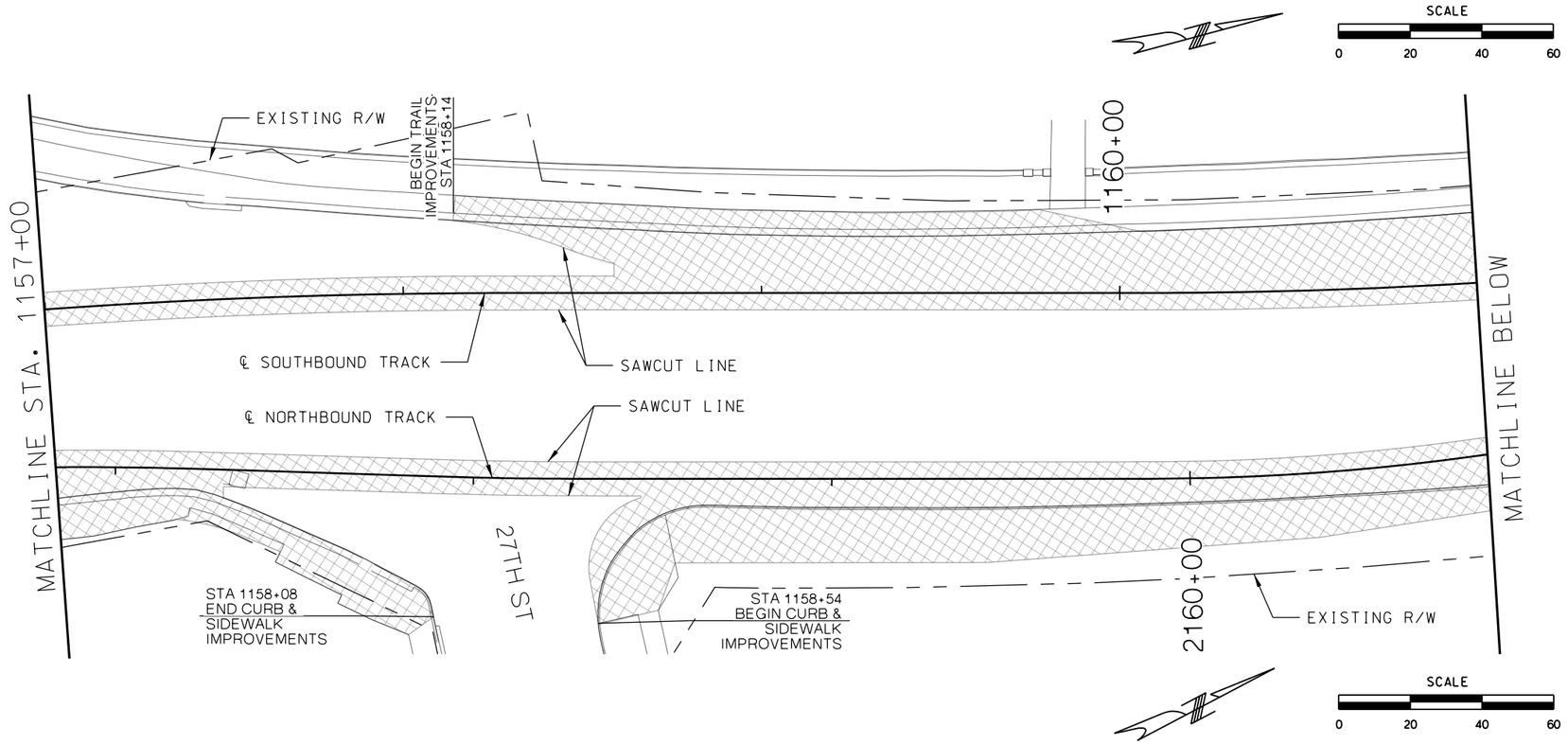
NOT FOR CONSTRUCTION

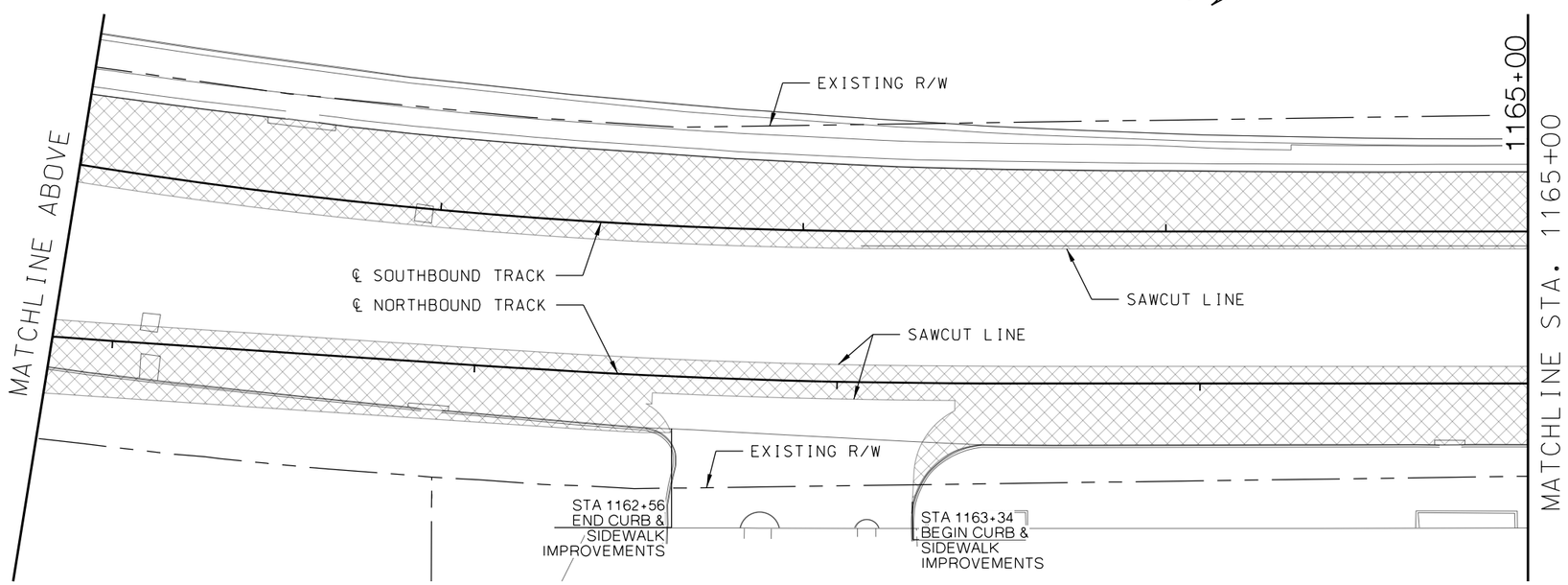
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1149+00 TO STA 1153+00
STA 1153+00 TO STA 1157+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D120.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D120
SHEET NO.:	27

CONSTRUCTION NOTES





LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:25:08 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

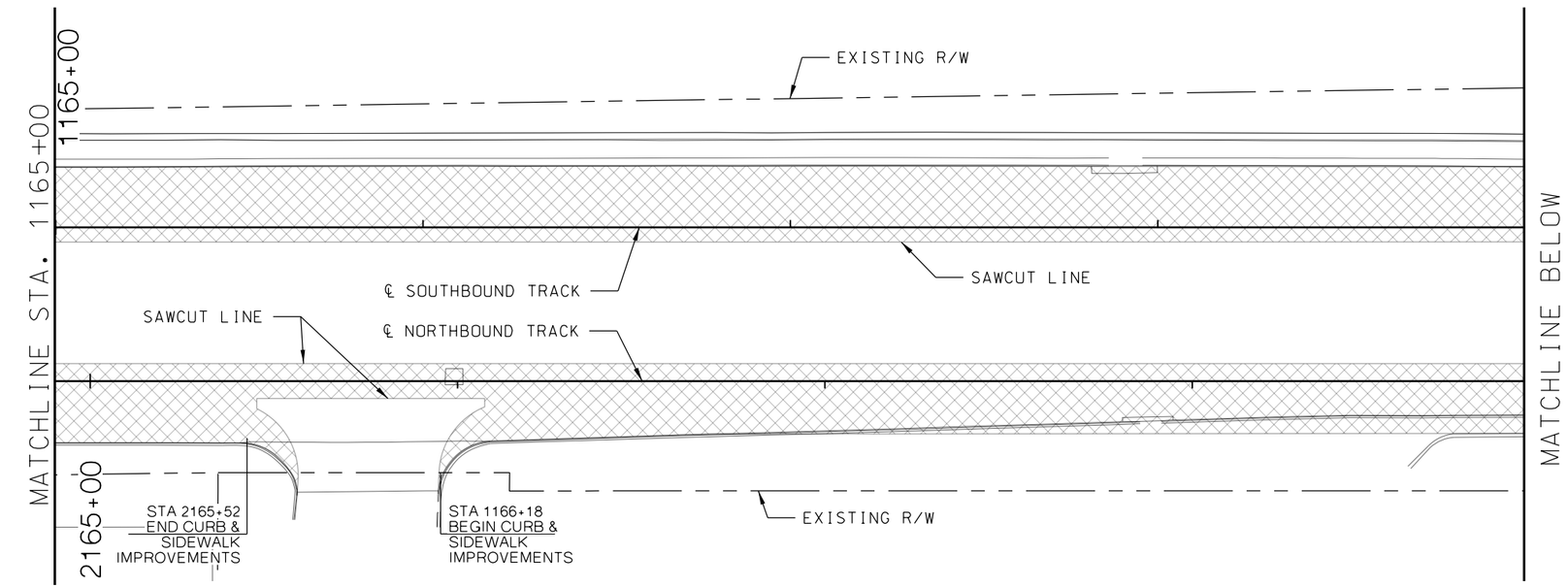
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

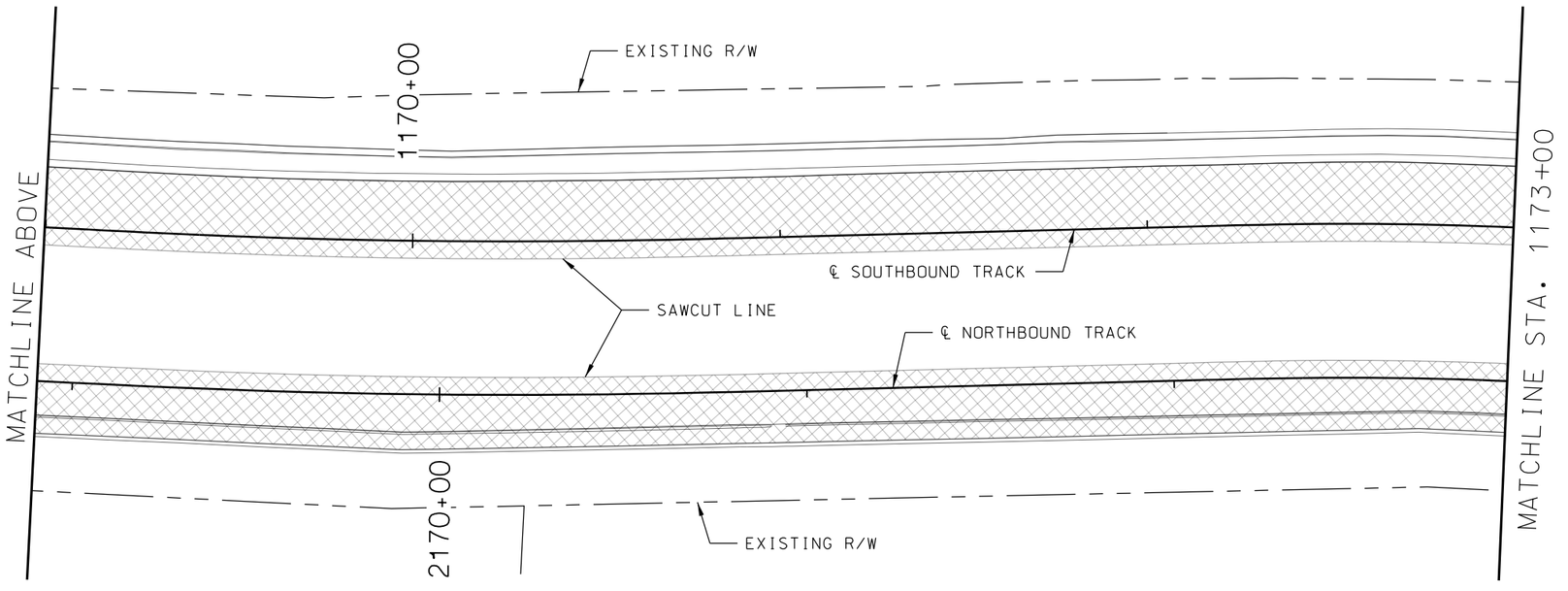
SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1157+00 TO STA 1161+00
STA 1161+00 TO STA 1165+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D121.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	D121
SHEET NO.:	28

SCALE
0 20 40 60



SCALE
0 20 40 60



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:25:13 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Kansas City, MO 64131-3471
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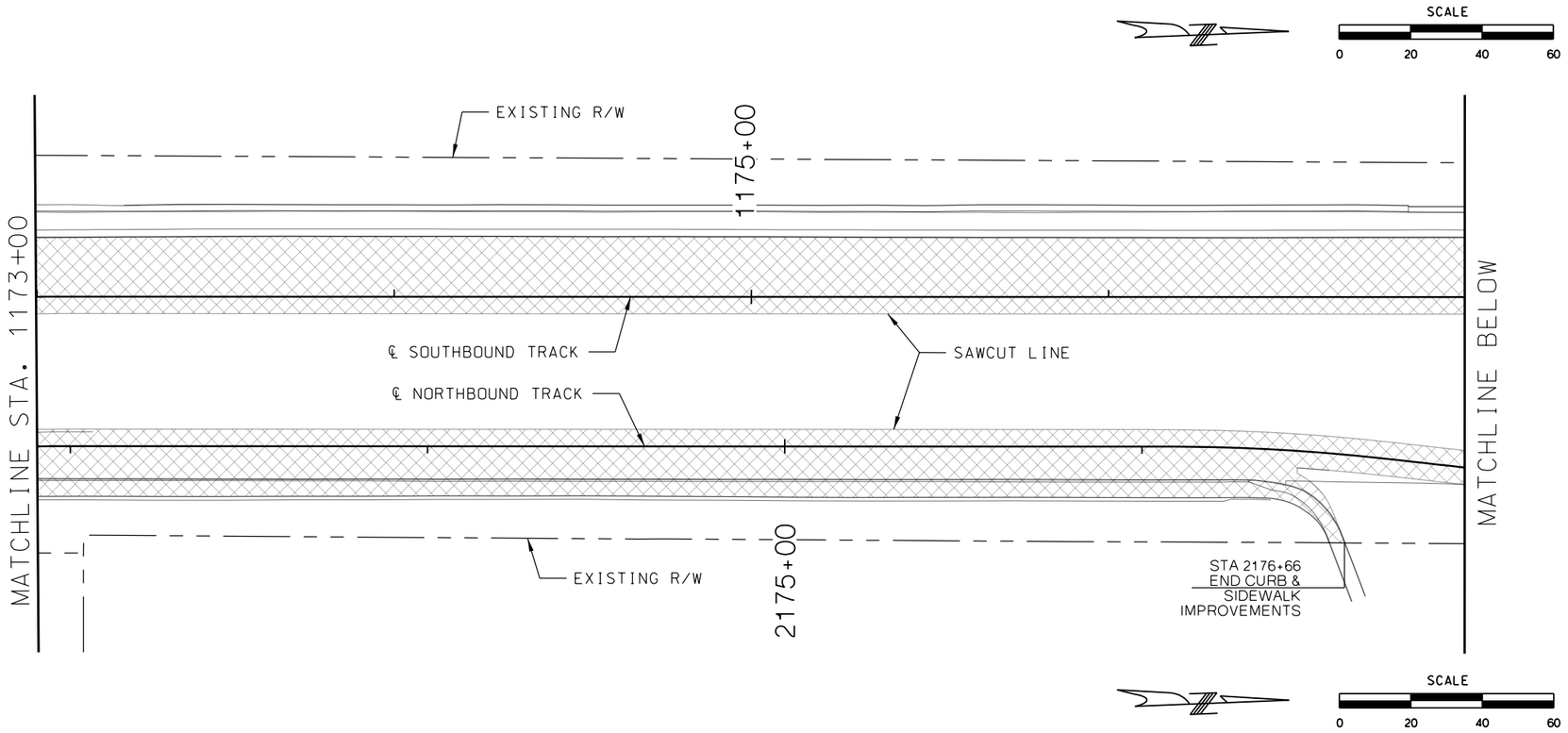
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1165+00 TO STA 1169+00
STA 1169+00 TO STA 1173+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D122.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D122
SHEET NO.:	29

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:25:19 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

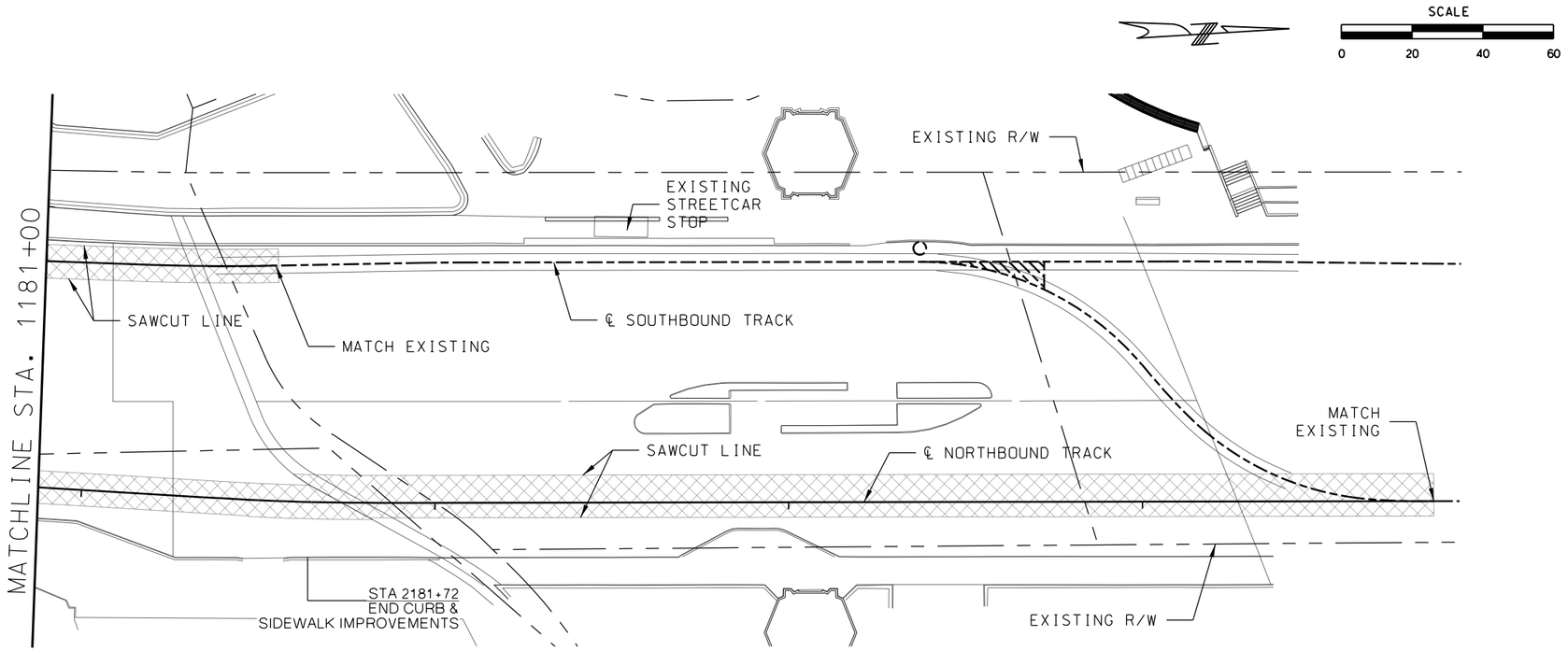
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1173+00 TO STA 1177+00
STA 1177+00 TO STA 1181+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D123.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	D123
SHEET NO.:	30

CONSTRUCTION NOTES



LEGEND

REMOVAL LIMITS

REV	DATE	DESCRIPTION
PLOT DATE:	2/25/2019	4:25:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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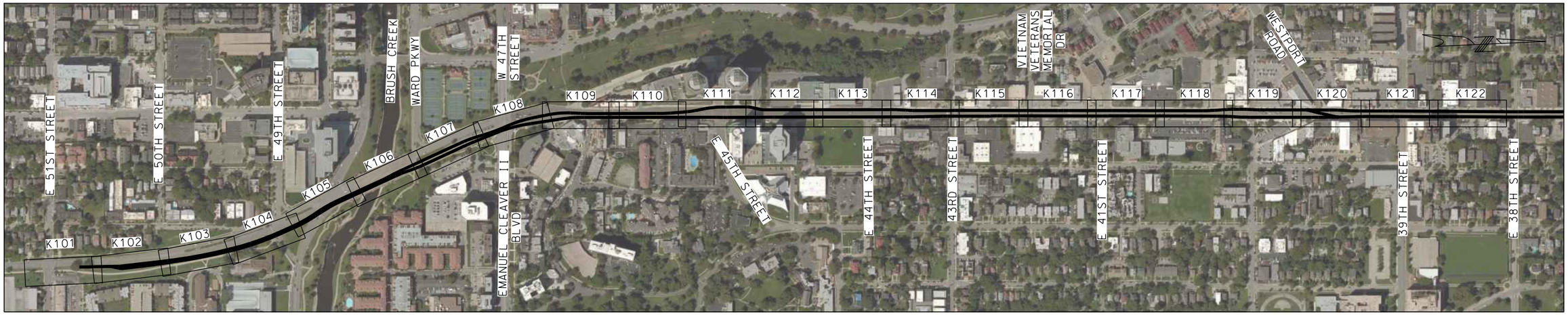
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

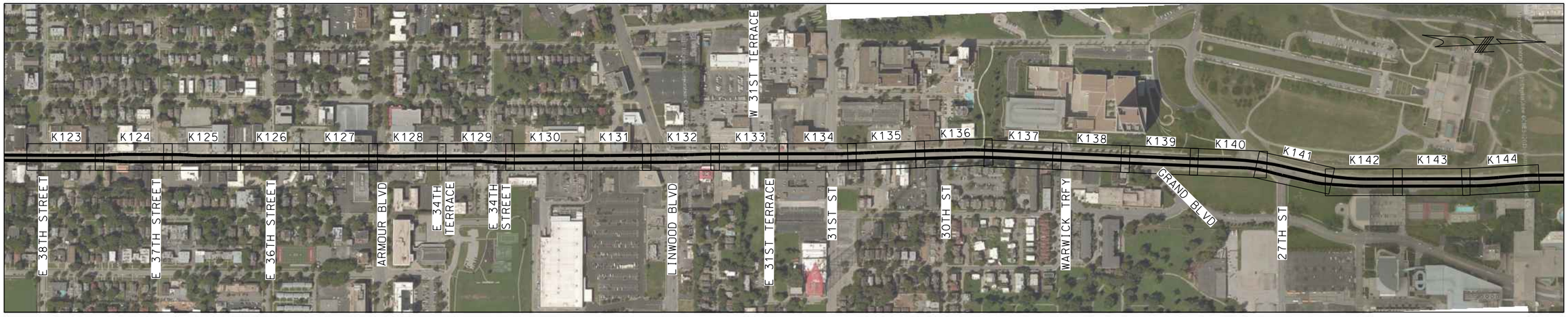
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
DEMOLITION PLAN
STA 1181+00 TO STA 1185+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	D124.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	D124
SHEET NO.:	31





REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:34:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

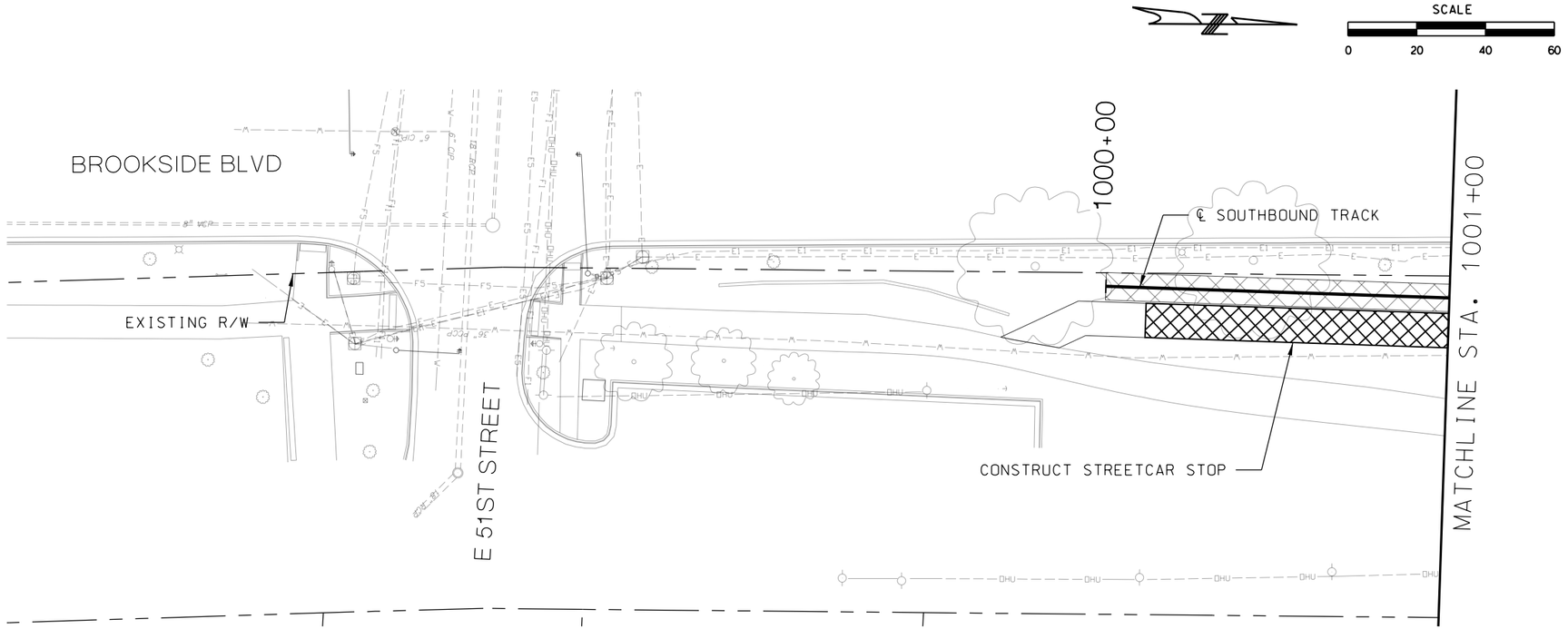
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

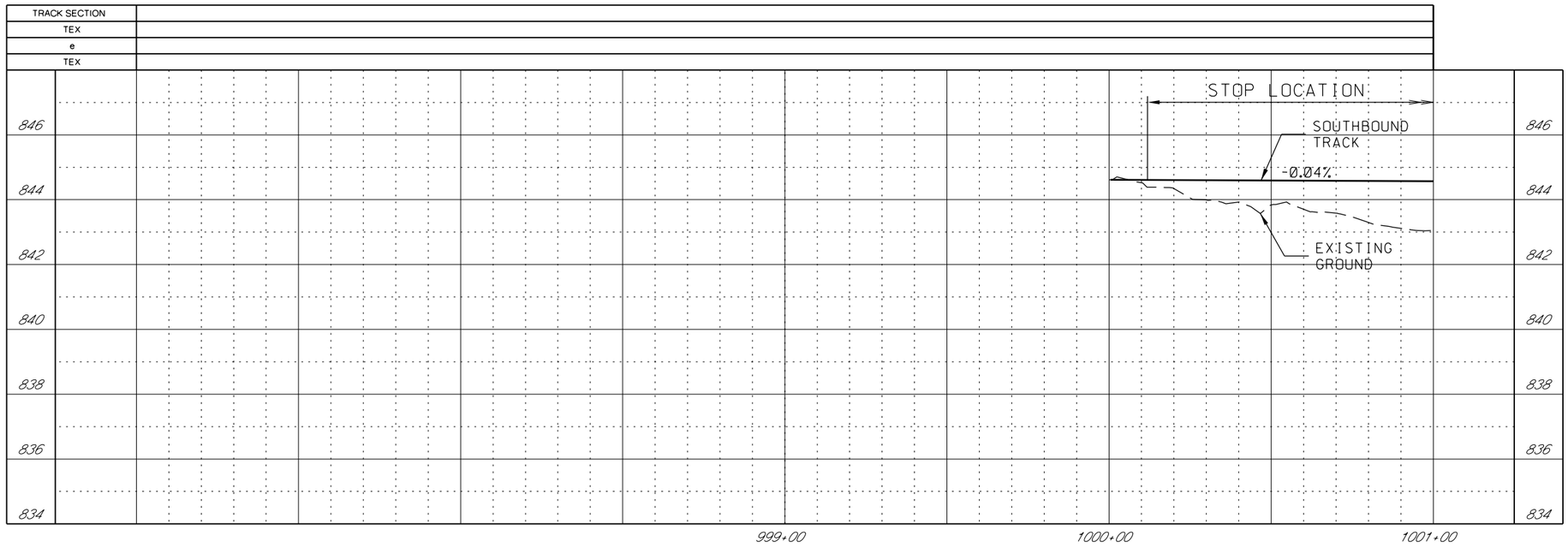
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

TRACK KEY MAP

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	K001.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	K001
SHEET NO.:	32





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:04:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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816-360-2700
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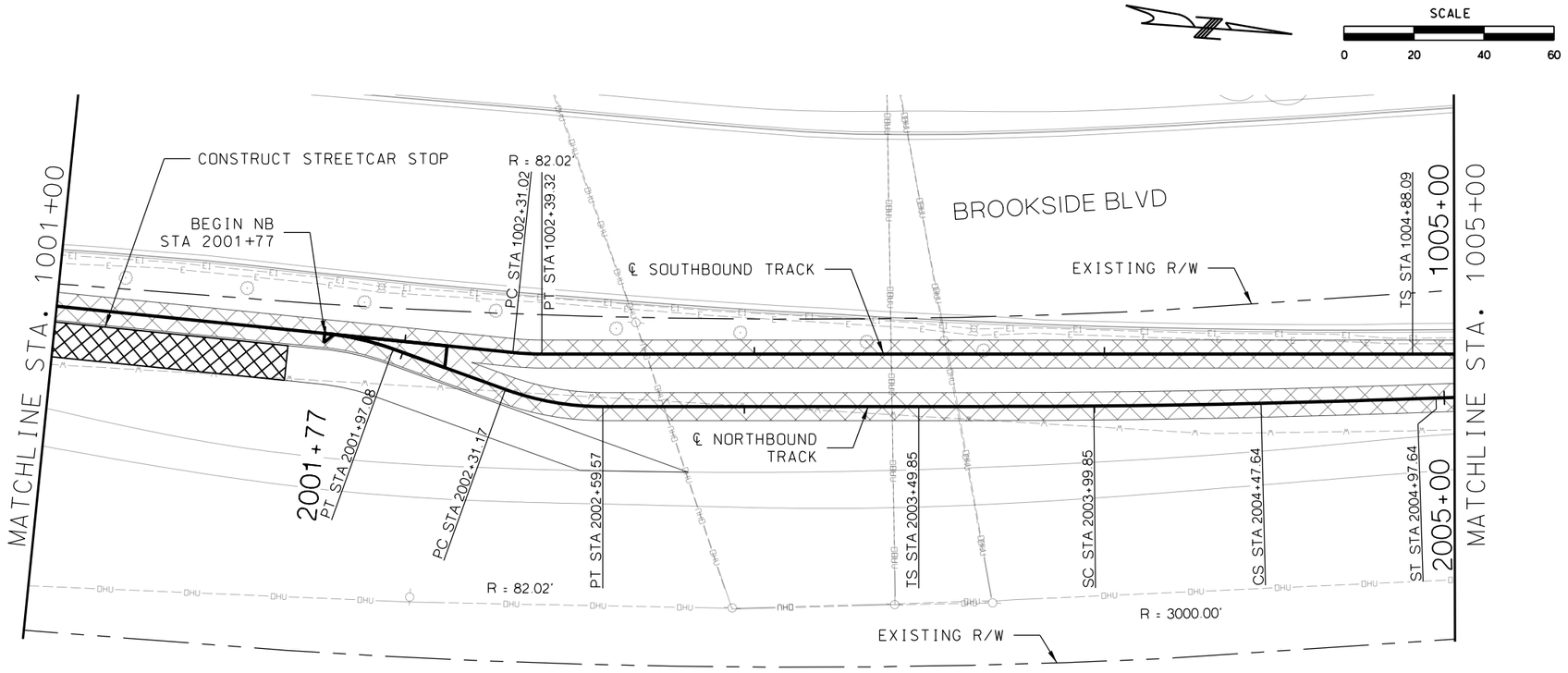
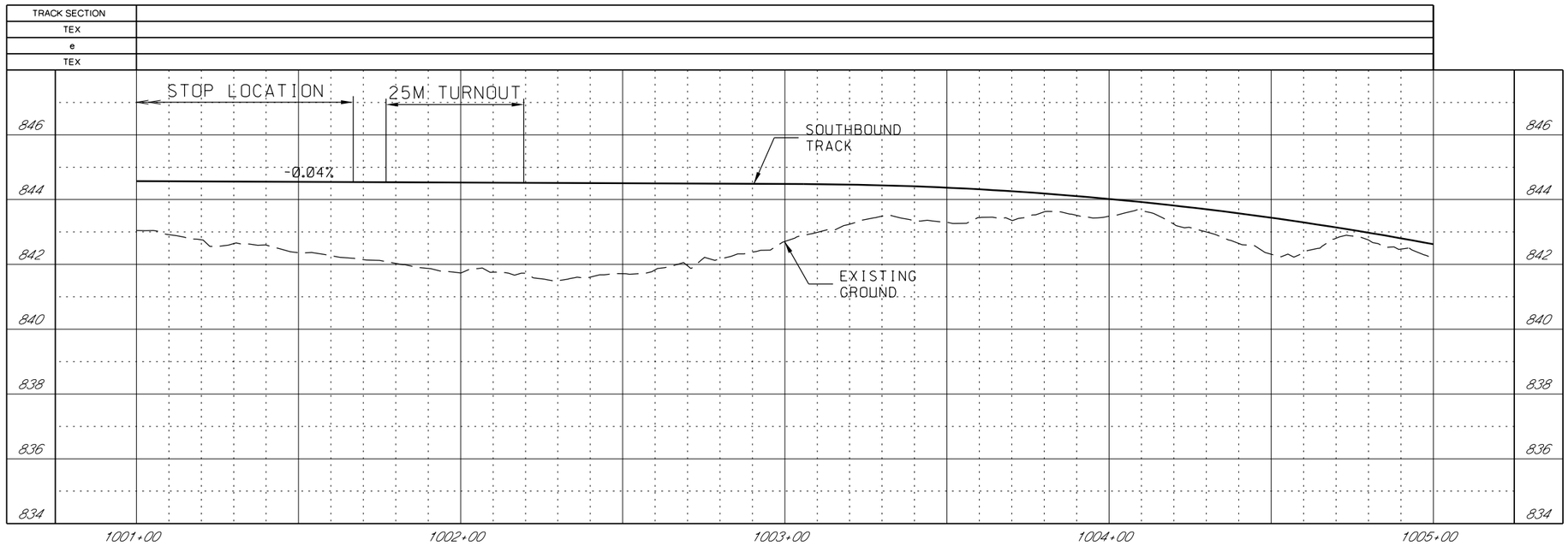
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
51ST STREET
SB STA BEGIN TO STA 1001+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K101.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K101
SHEET NO.:	33

CONSTRUCTION NOTES





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:04:47 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
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816-360-2700
Certificate of Authority: 000856

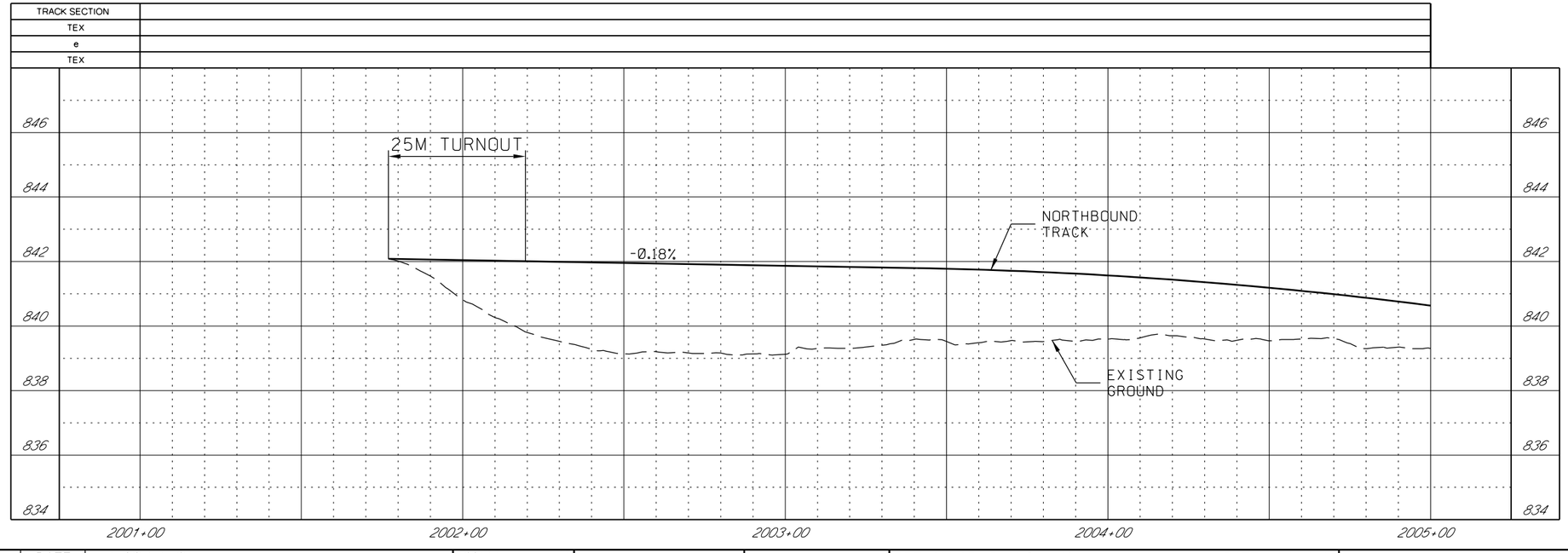
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1001+00 TO STA 1005+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K102.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K102
SHEET NO.:	34

CONSTRUCTION NOTES



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:08:48 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
Kansas City, MO 64131-3471
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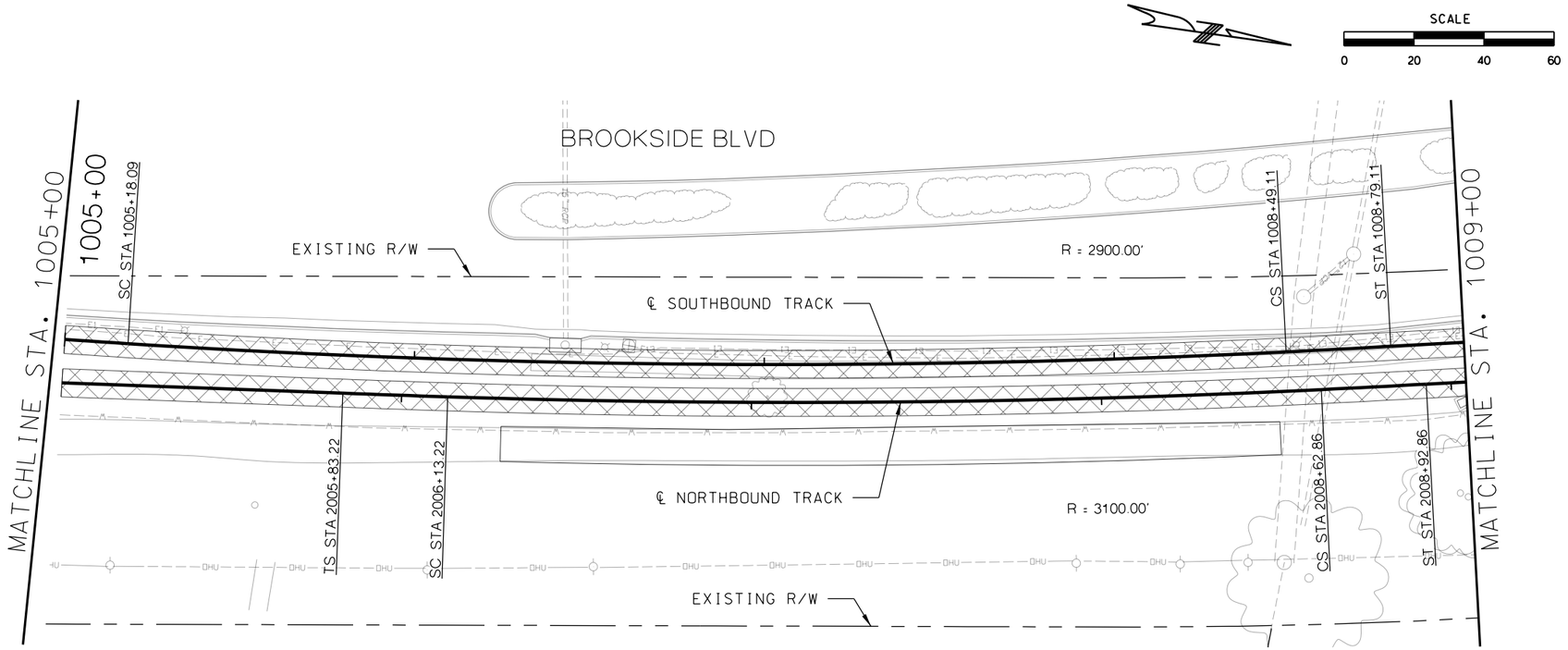
NOT FOR CONSTRUCTION

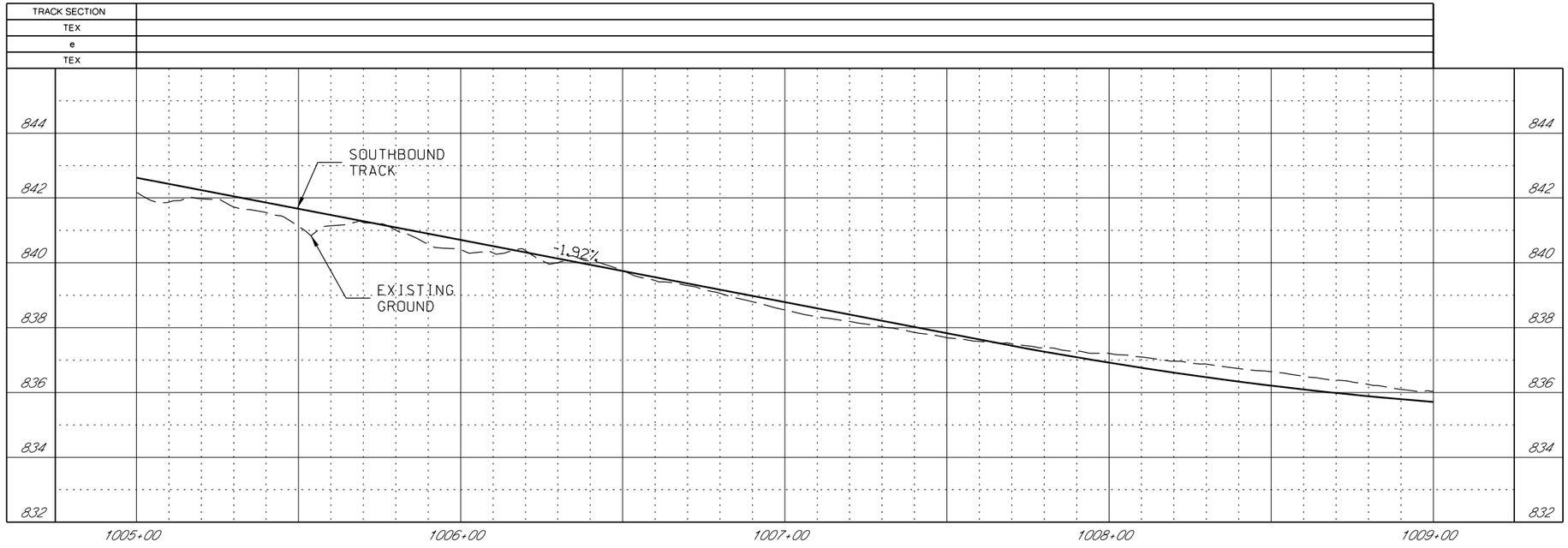
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
__ STREET
NB BEGIN TO STA 2005+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K102A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K102A
SHEET NO.:	35

CONSTRUCTION NOTES





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:05:12 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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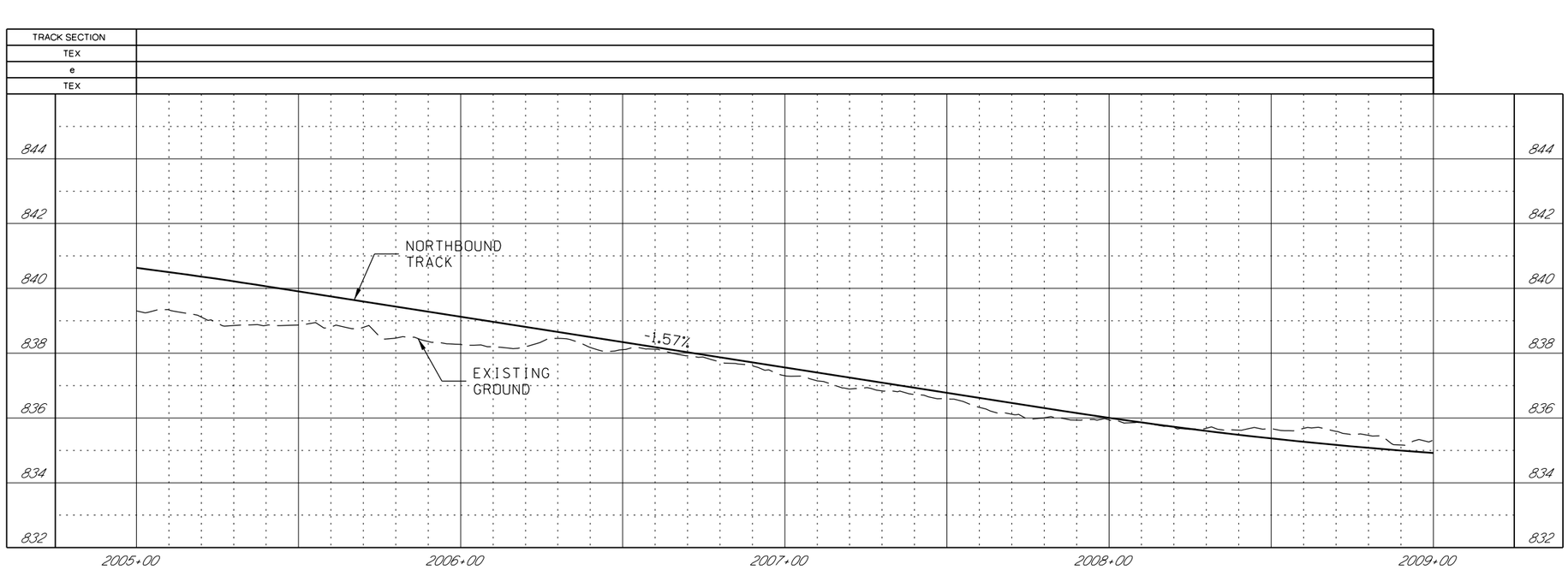
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1005+00 TO STA 1009+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K103.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K103
SHEET NO.:	36



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:00 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

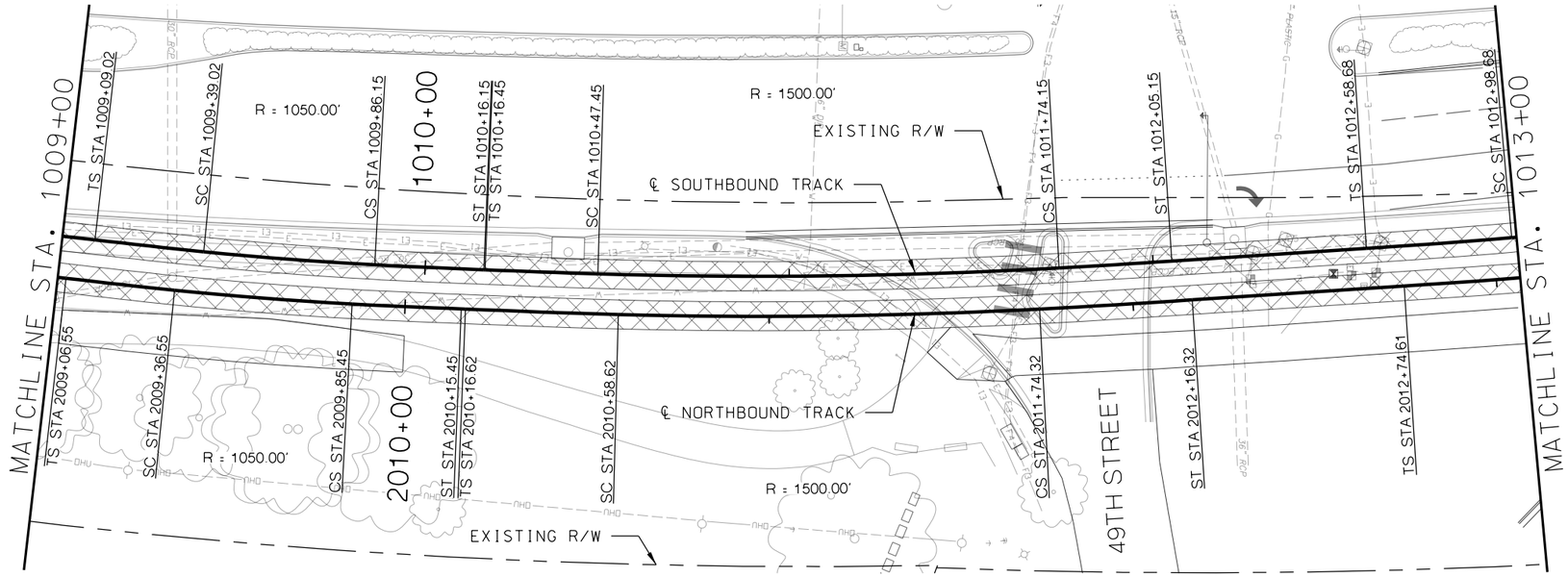
KANSAS CITY STREETCAR MAIN STREET EXTENSION

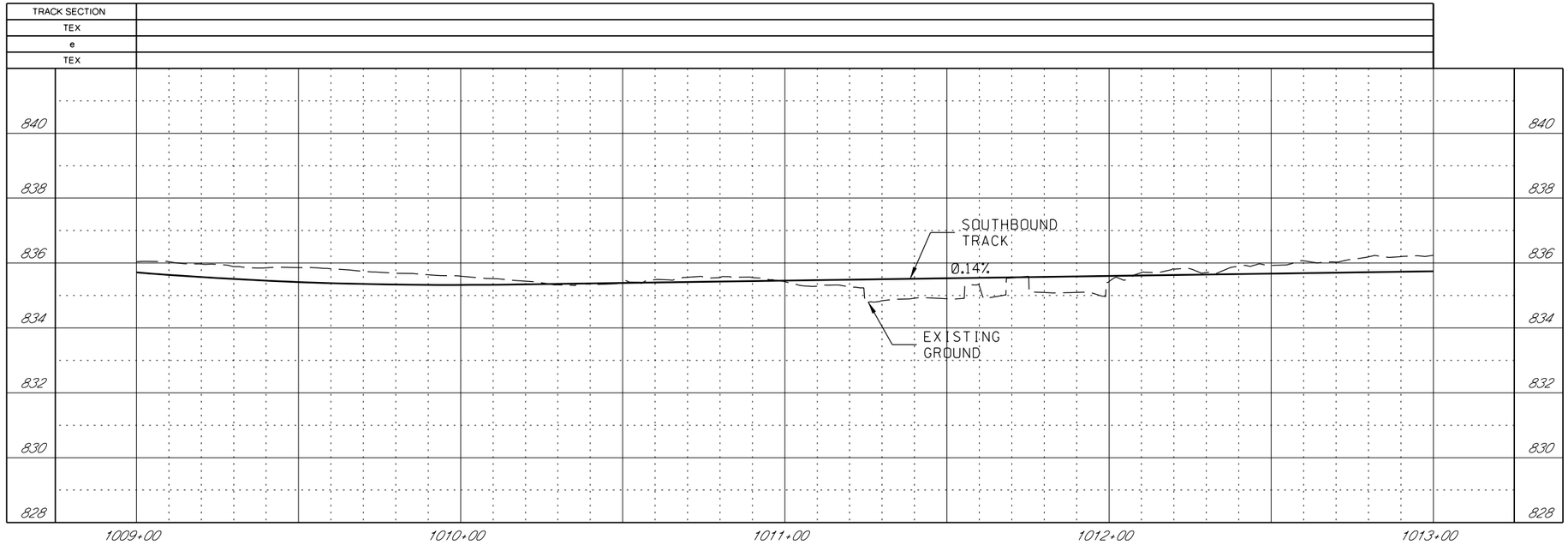
NORTHBOUND TRACK
PROFILE
NB STA 2005+00 TO STA 2009+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K103A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K103A
SHEET NO.:	37

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:05:37 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

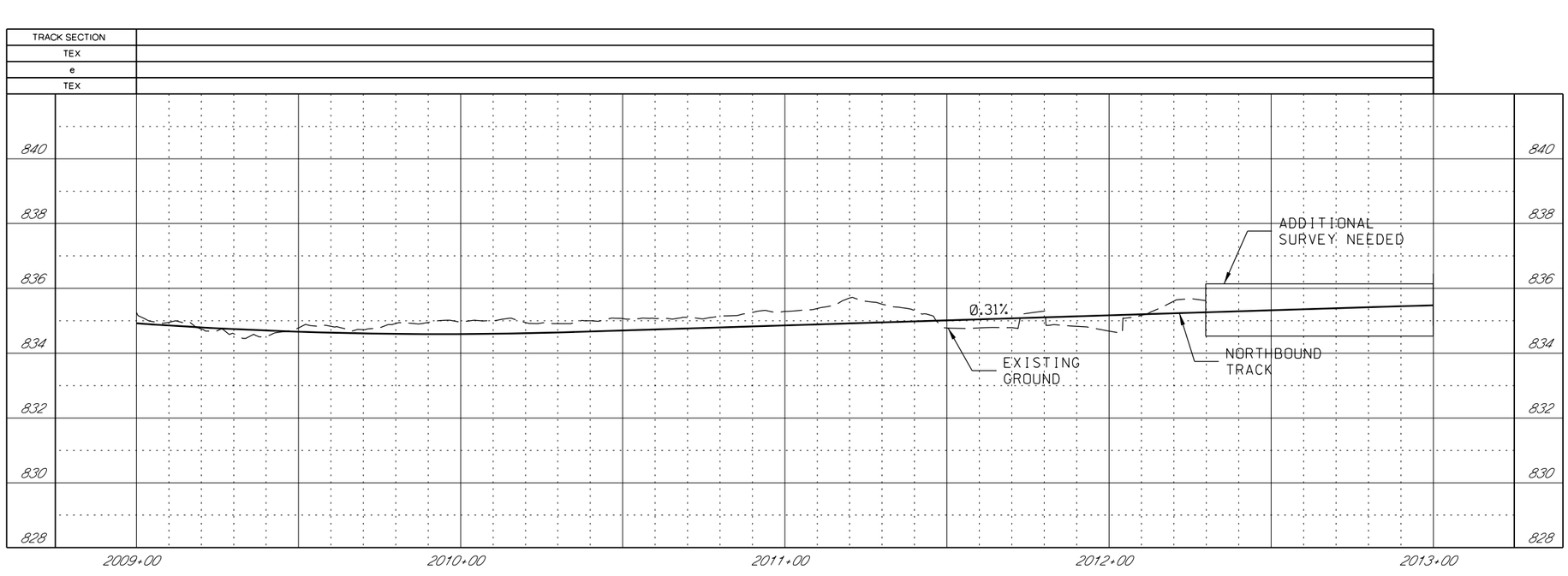
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
49TH STREET
SB STA 1009+00 TO STA 1013+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K104.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K104
SHEET NO.:	38



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:13 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

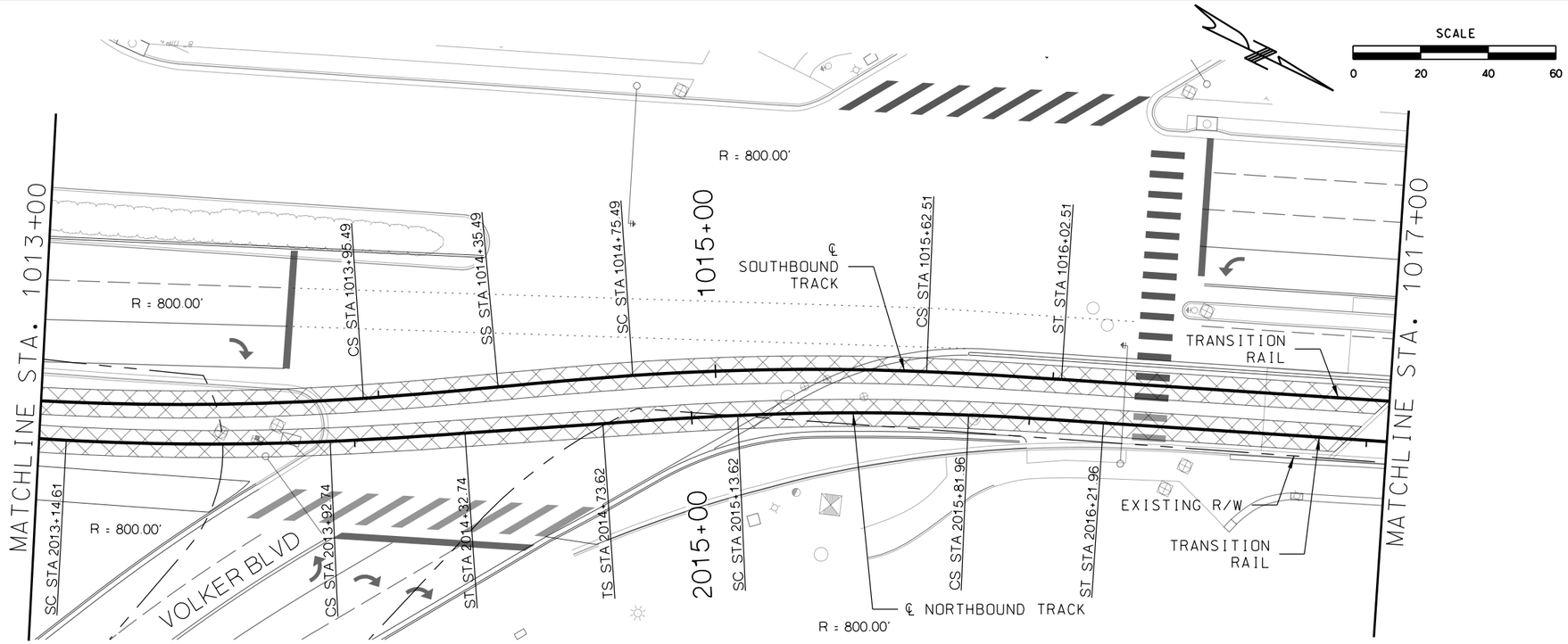
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

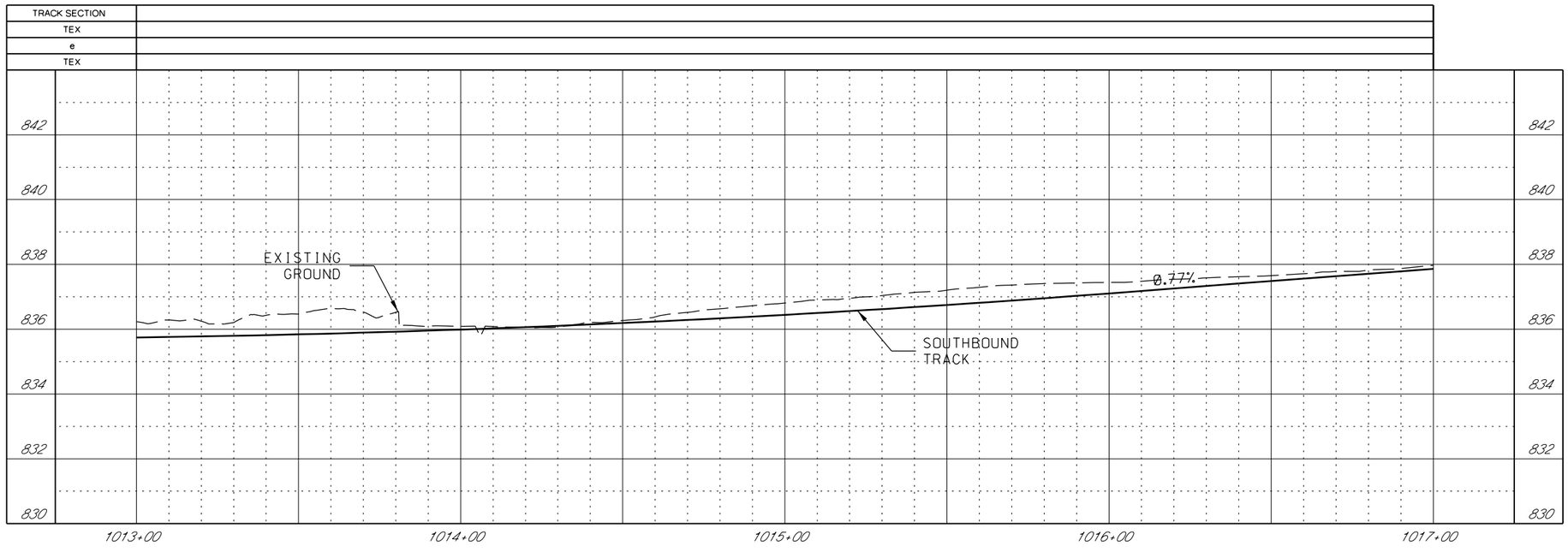
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTH BOUND TRACK
PROFILE
49TH STREET
NB STA 2009+00 TO STA 2013+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K104A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K104A
SHEET NO.:	39





CONSTRUCTION NOTES

GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:21 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

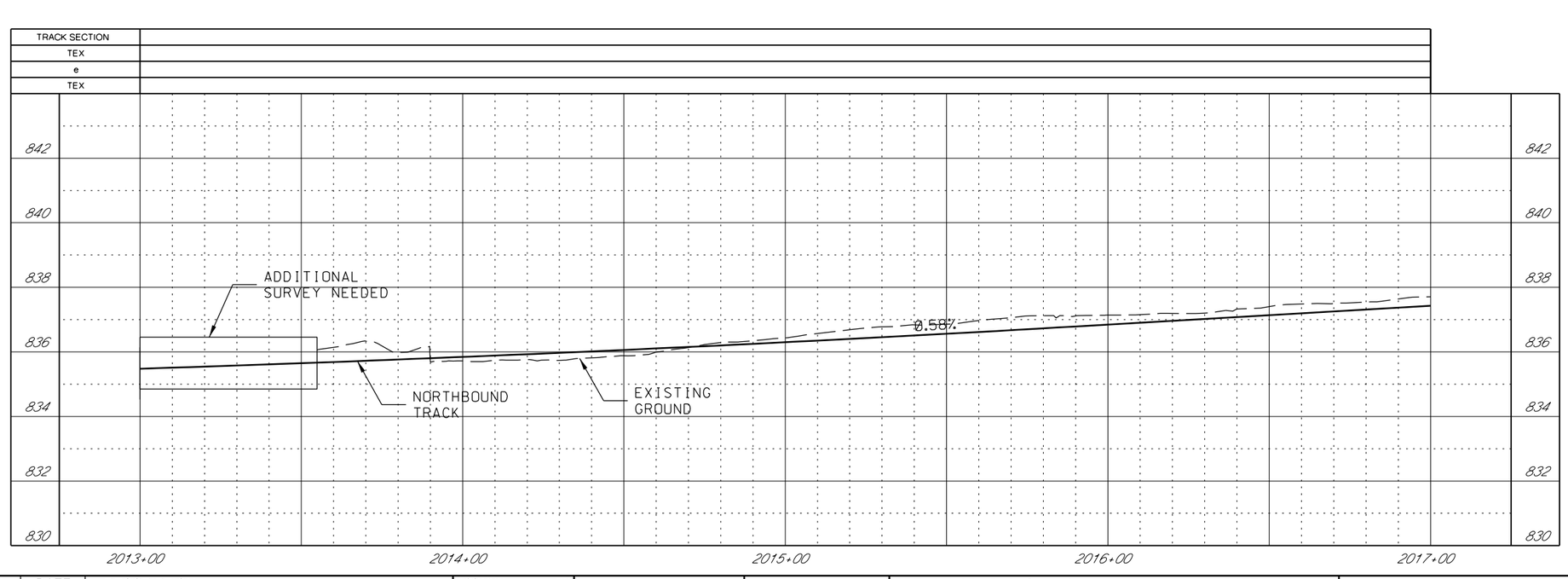
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
VOLKER BOULEVARD
SB STA 1013+00 TO STA 1017+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K105.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K105
SHEET NO.:	40



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

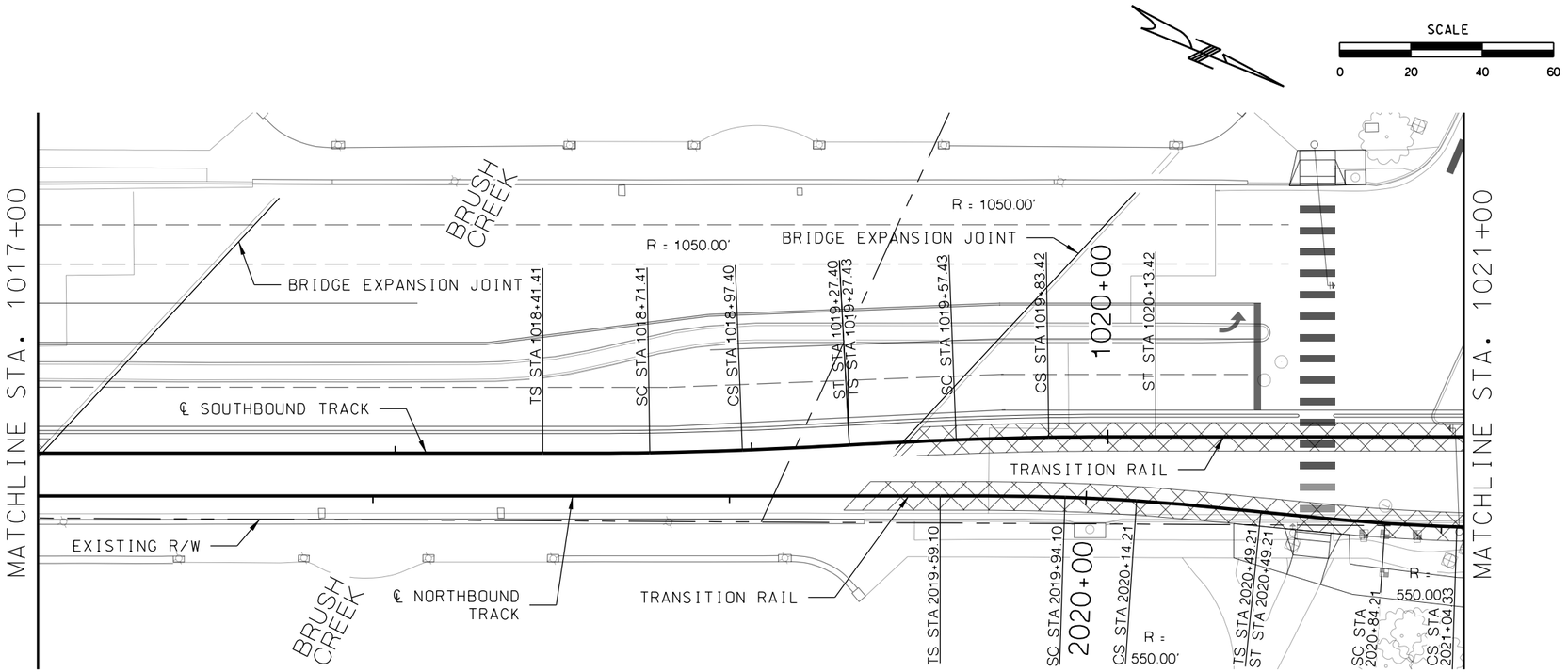
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

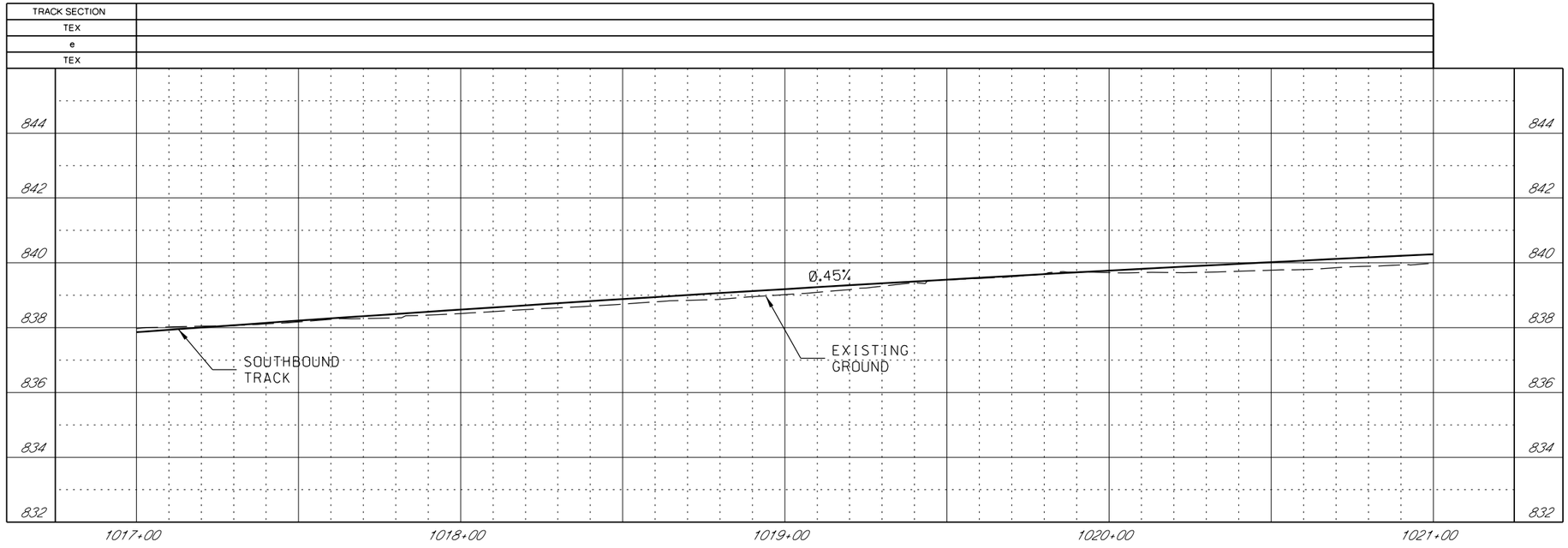
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
VOLKER BOULEVARD
NB STA 2013+00 TO STA 2017+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K105A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K105A
SHEET NO.:	41





CONSTRUCTION NOTES

GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:36 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
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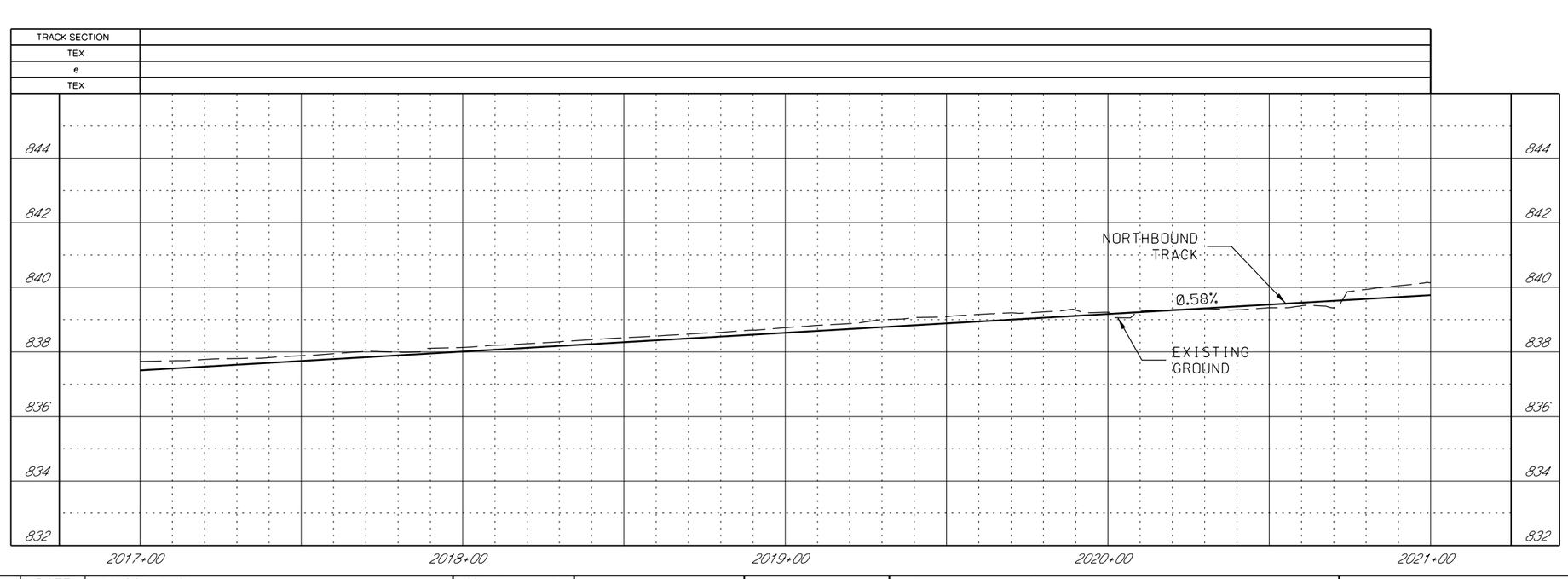
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
BRUSH CREEK
SB STA 1017+00 TO STA 1021+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K106.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K106
SHEET NO.:	42



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:43 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

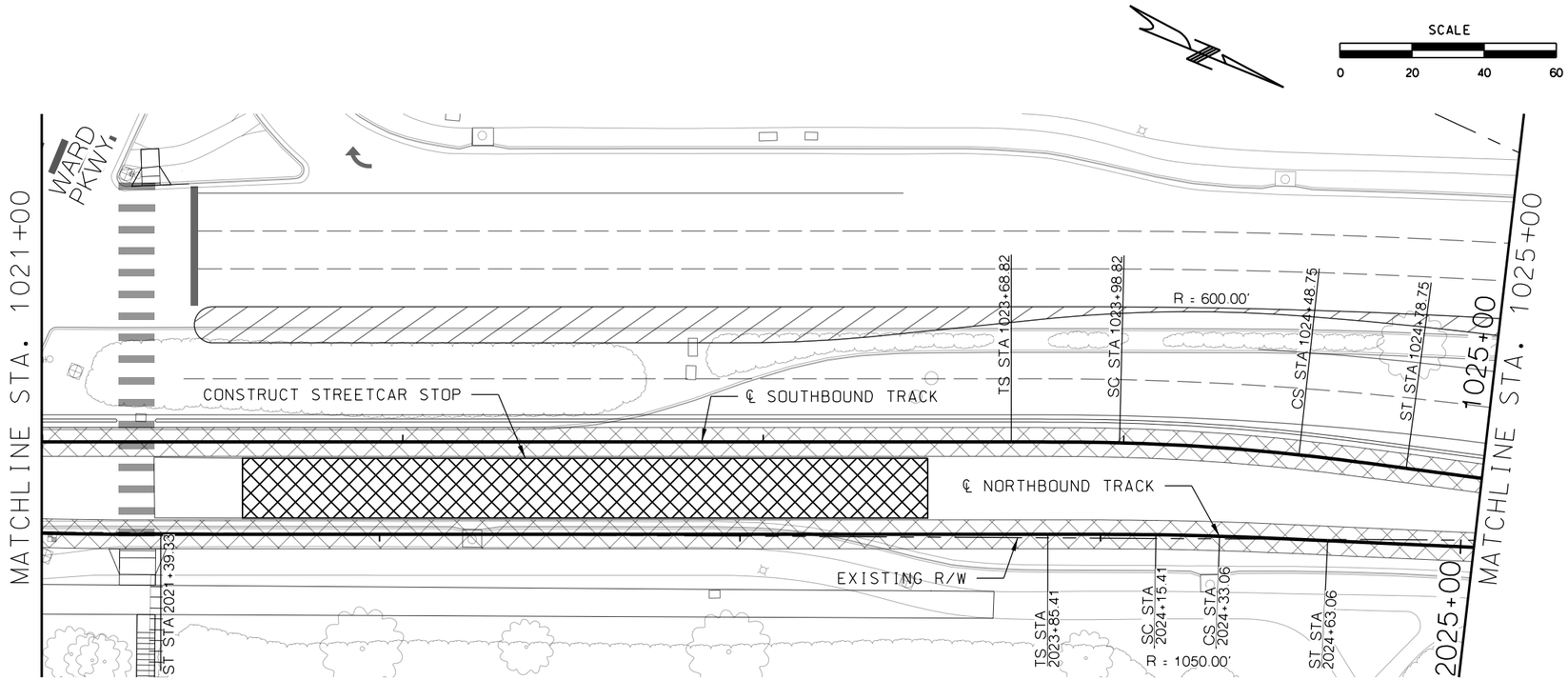
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

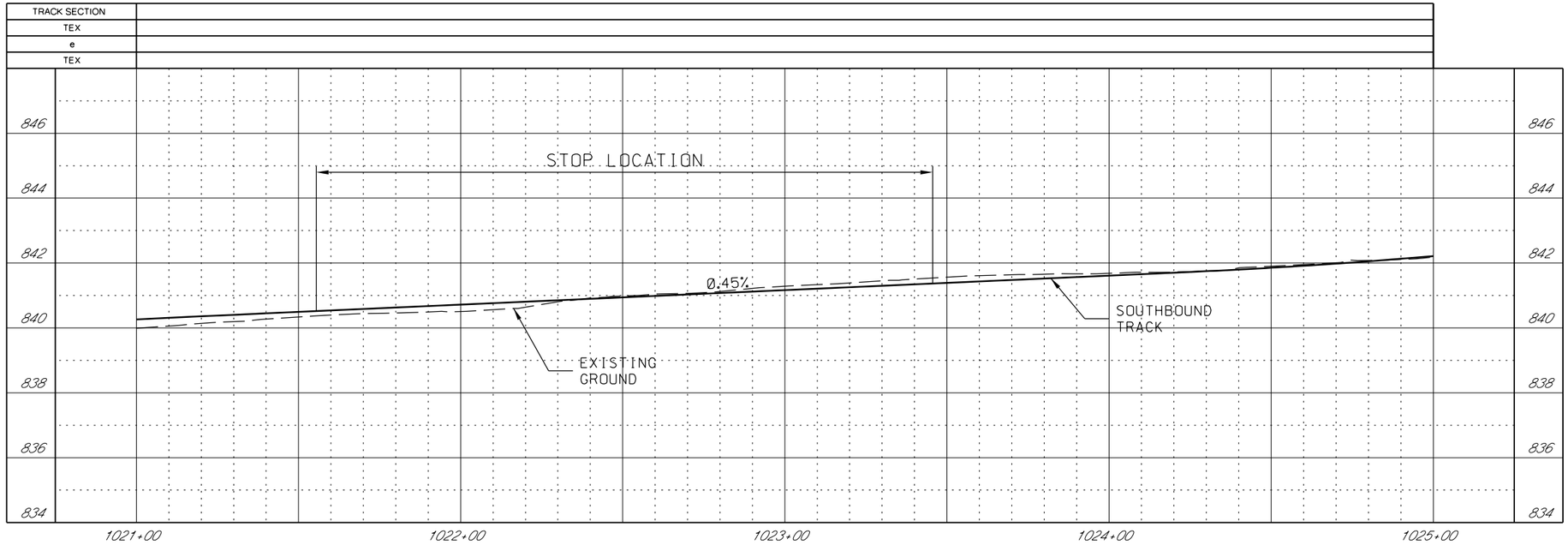
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
BRUSH CREEK
NB STA 2017+00 TO STA 2021+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K106A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K106A
SHEET NO.:	43





CONSTRUCTION NOTES

GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.
3. ALL CURVES ARE BASED ON ARC DEFINITION.
4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:09:53 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

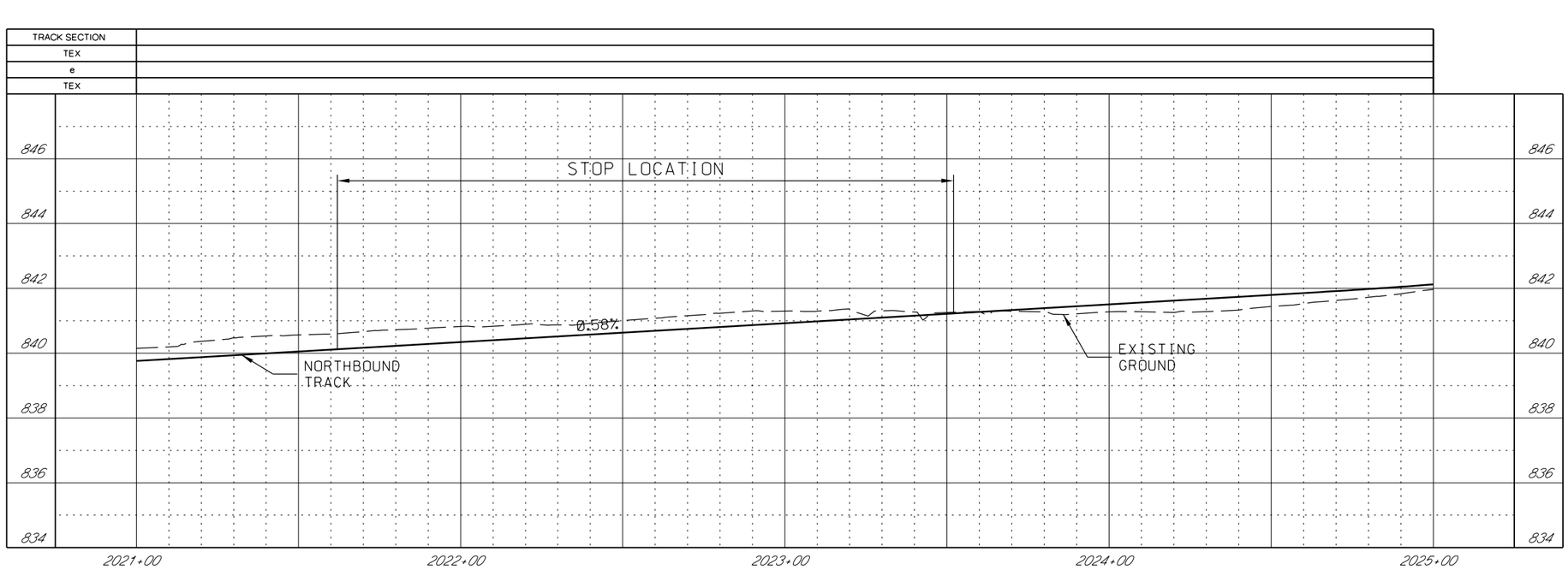
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
WARD PARKWAY
SB STA 1021+00 TO STA 1025+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K107.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K107
SHEET NO.:	44



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:00 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

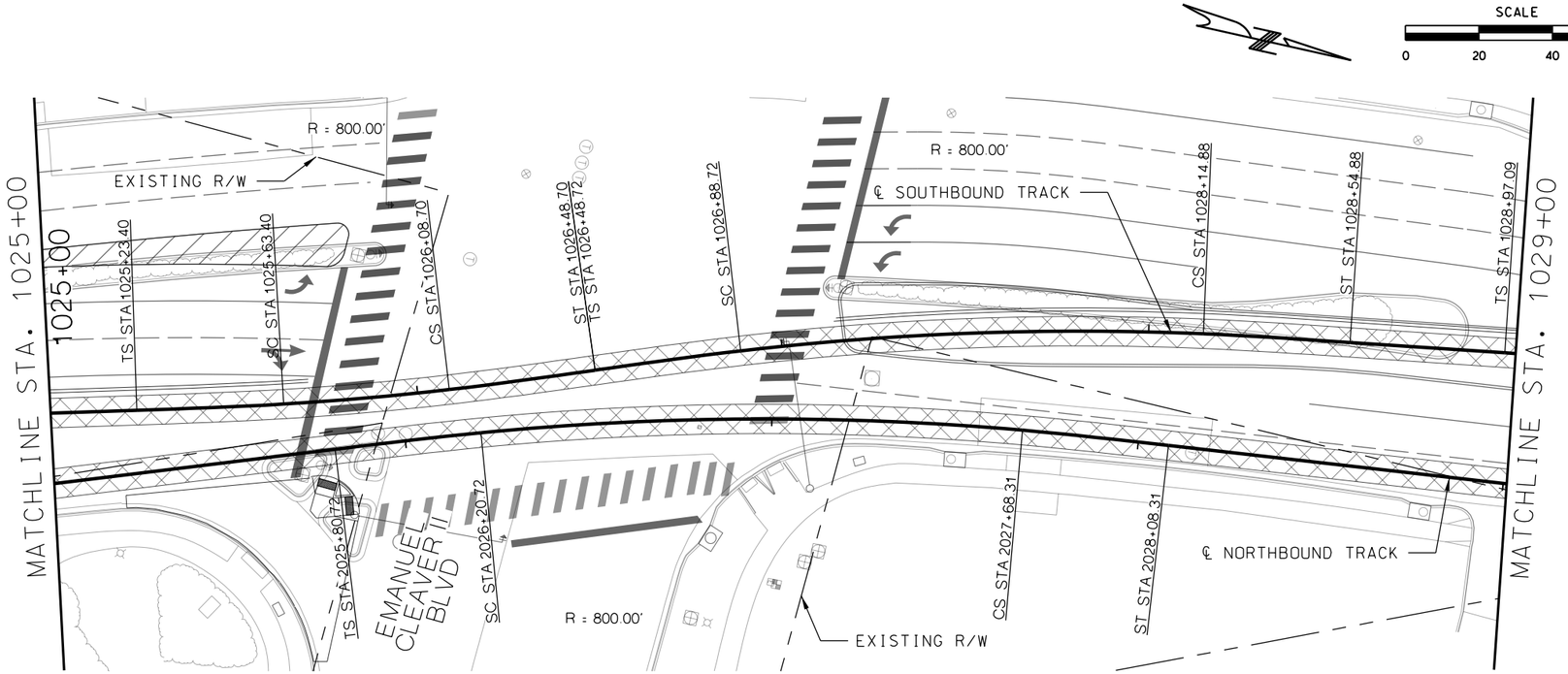
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

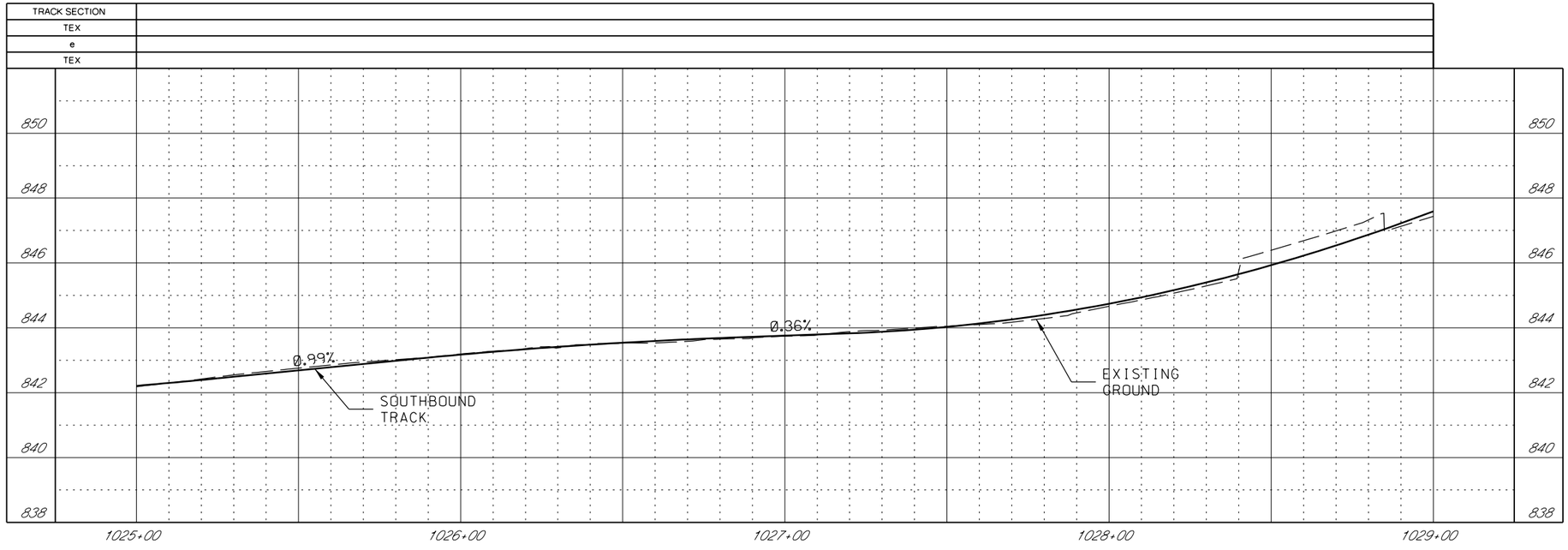
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
WARD PARKWAY
NB STA 2021+00 TO STA 2025+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K107A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K107A
SHEET NO.:	45





GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:07 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

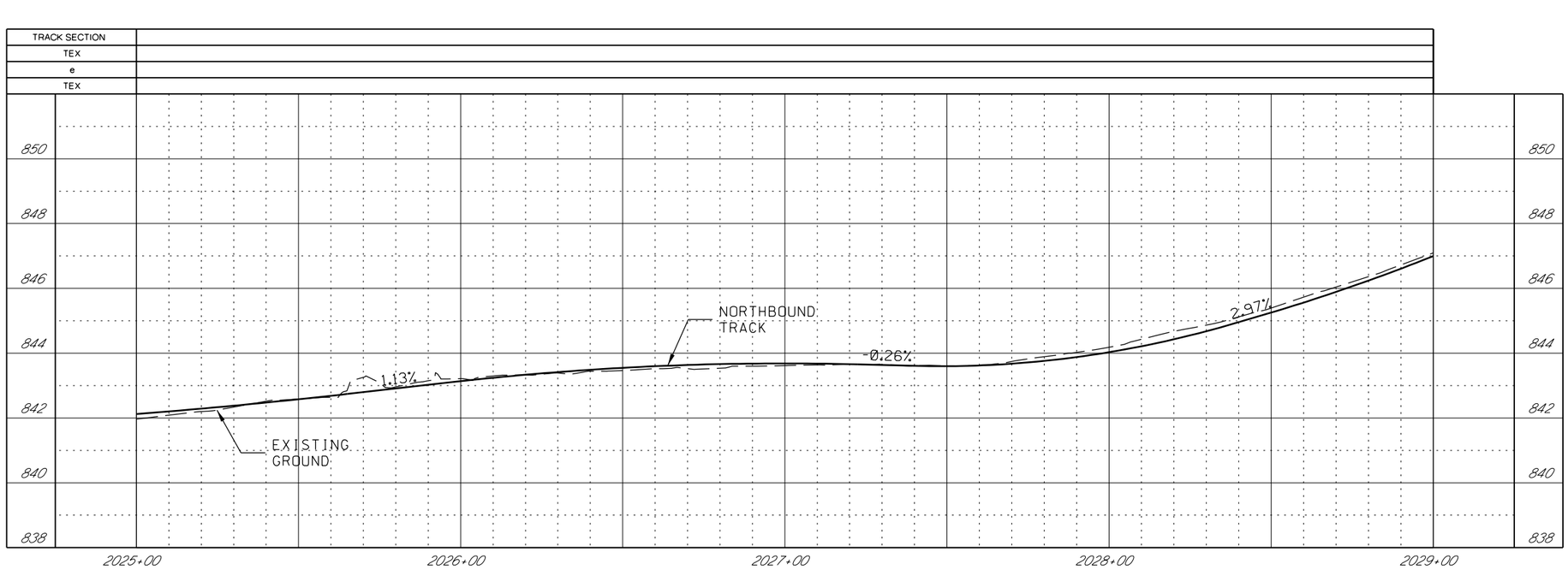
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
EMANUEL CLEAVER II BLVD
SB STA 1025+00 TO STA 1029+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K108.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K108
SHEET NO.:	46



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:14 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

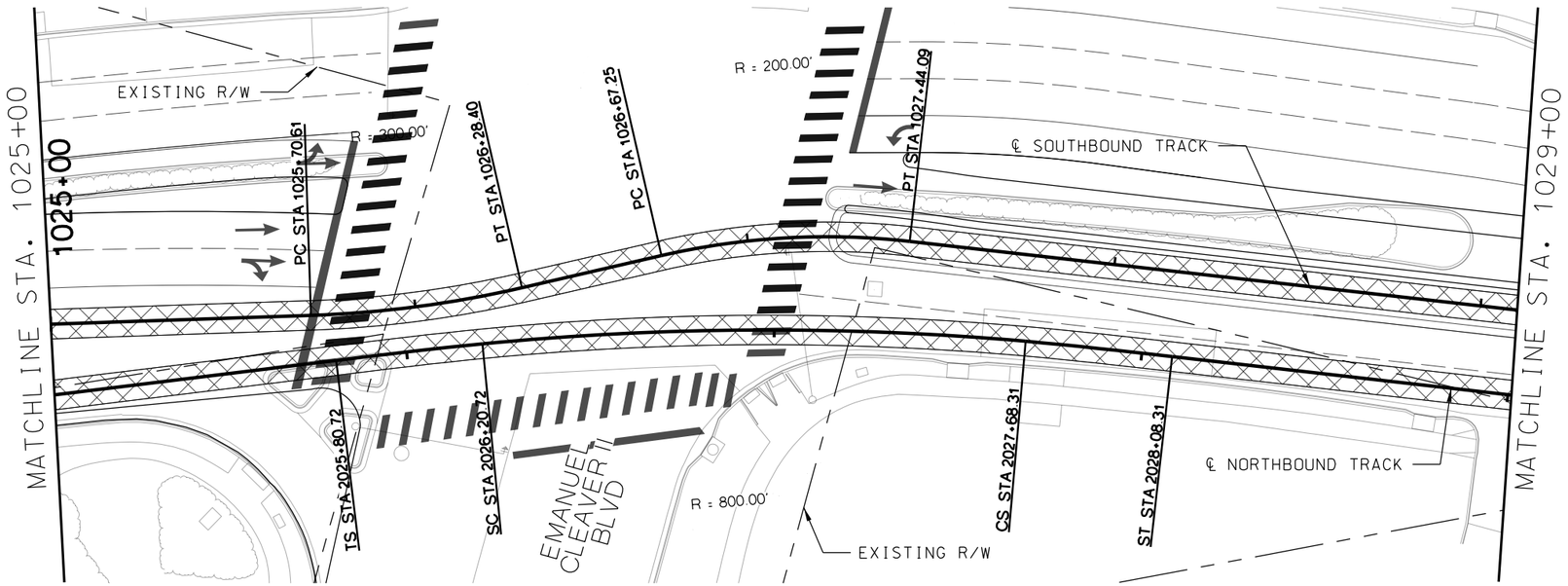
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

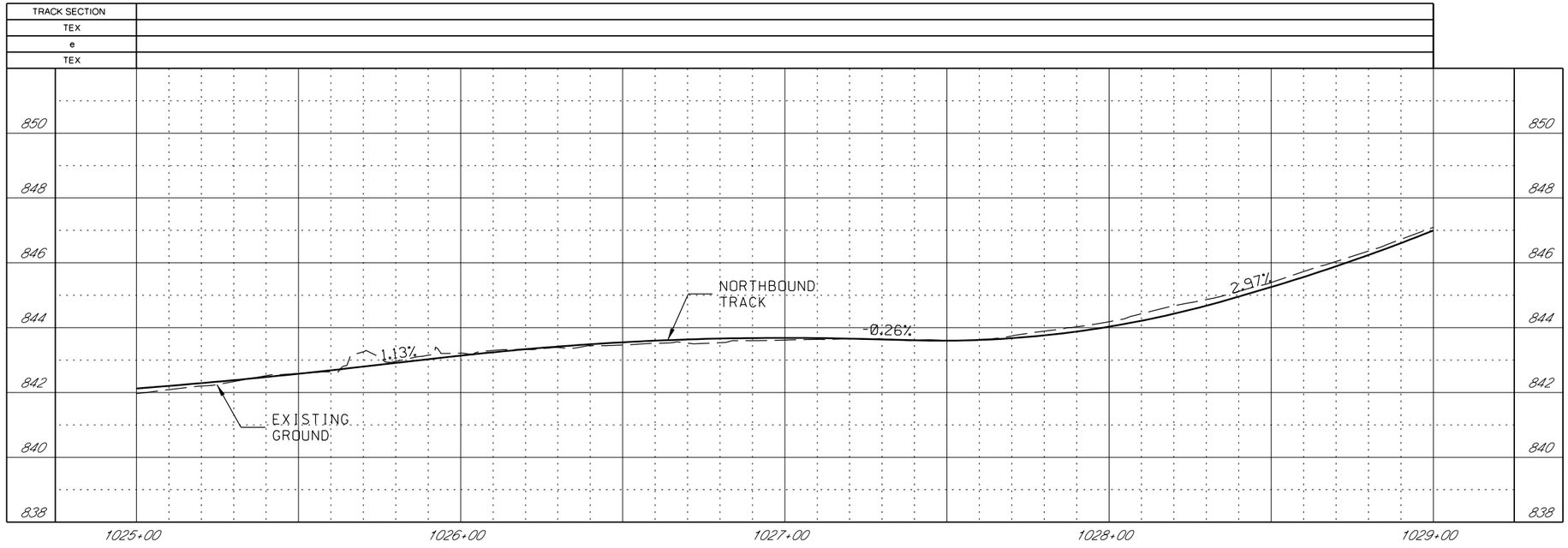
NORTHBOUND TRACK
PROFILE
EMANUEL CLEAVER II BLVD
NB STA 2025+00 TO STA 2029+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K108A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K108A
SHEET NO.:	47

SCALE
0 20 40 60



ALTERNATIVE LEFT TURN LANE CONCEPT FOR AMERICAN CENTURY



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:34:02 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

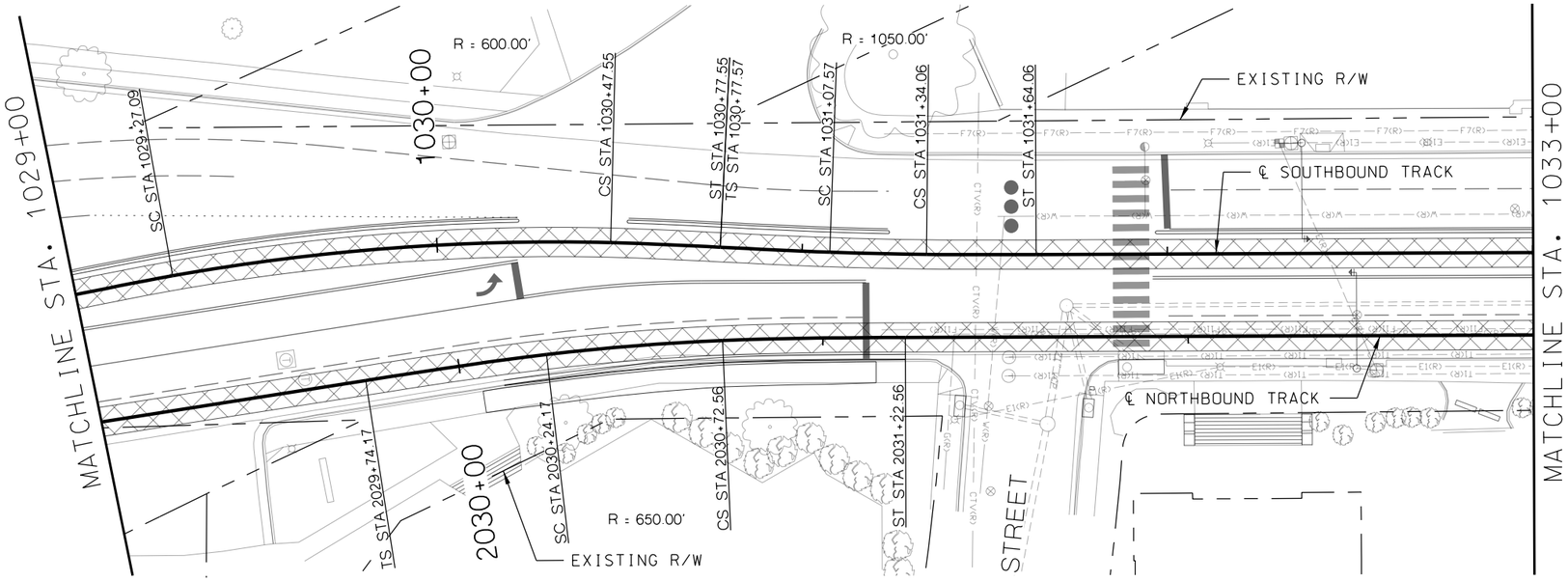
KANSAS CITY STREETCAR MAIN STREET EXTENSION

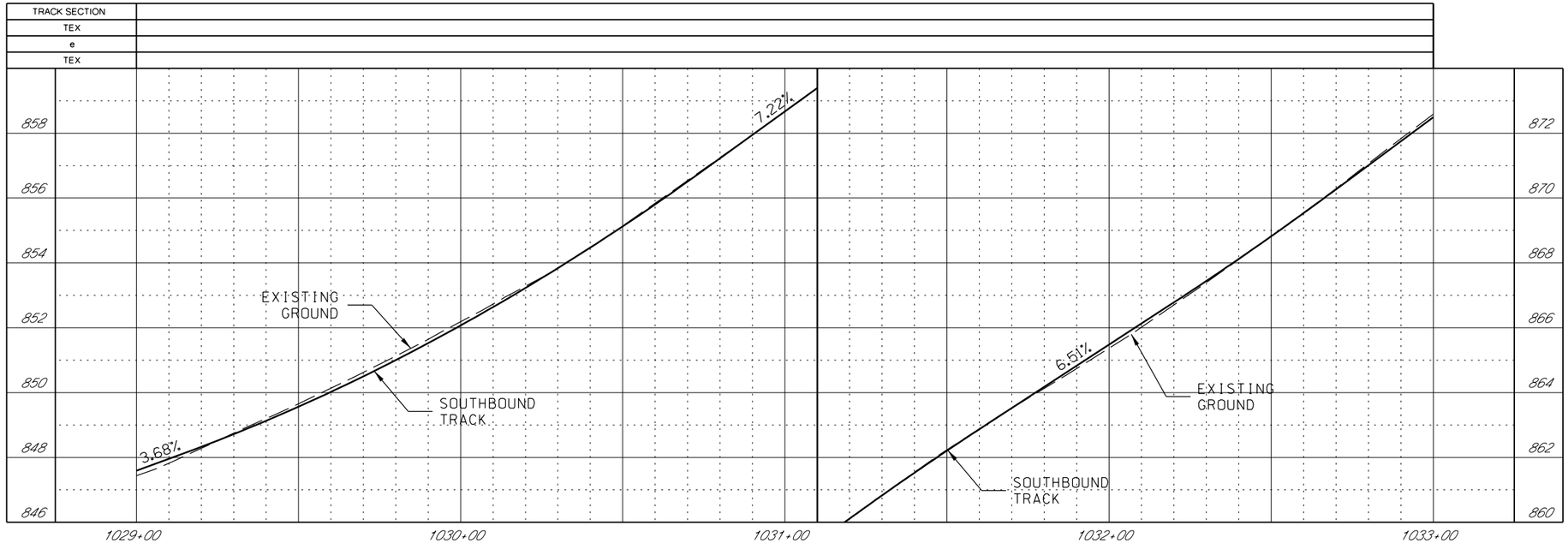
SOUTHBOUND TRACK
PLAN AND PROFILE
EMANUEL CLEAVER II BLVD (ALT LEFT TURN)
SB STA 1025+00 TO STA 1029+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K108B.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K108B
SHEET NO.:	48

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:30 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

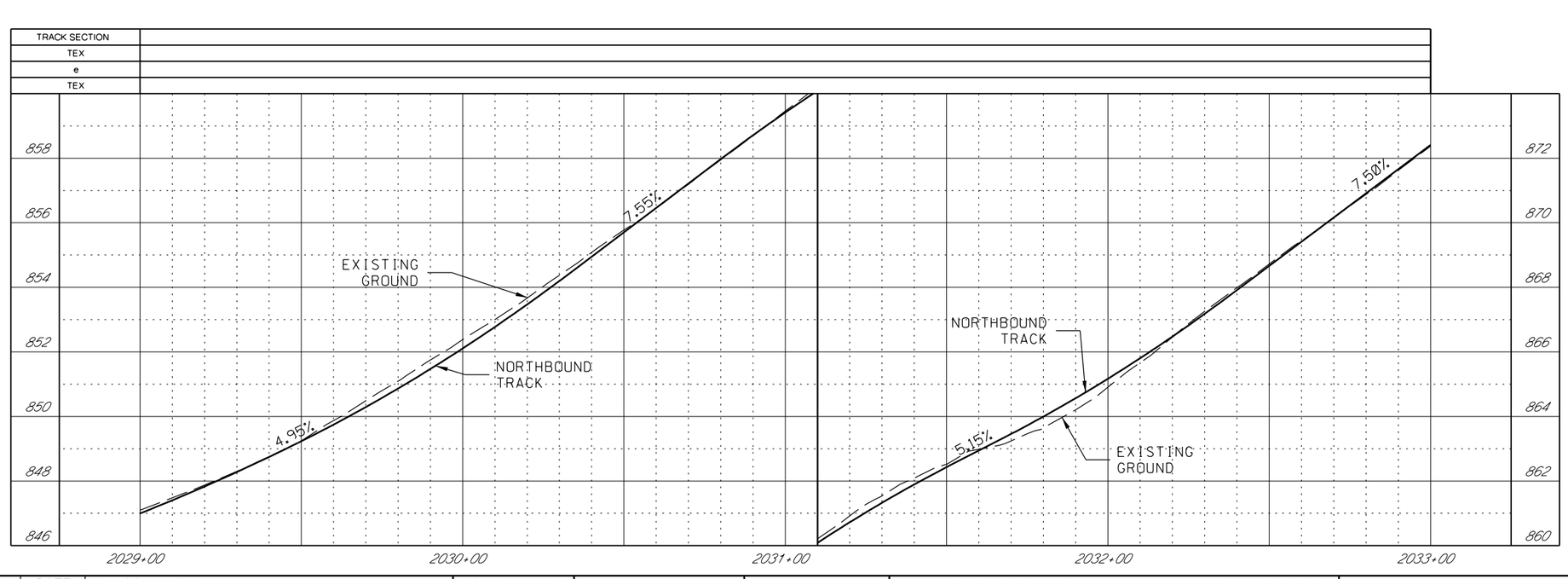
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
46TH STREET
SB STA 1029+00 TO STA 1033+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K109.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K109
SHEET NO.:	49



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:36 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

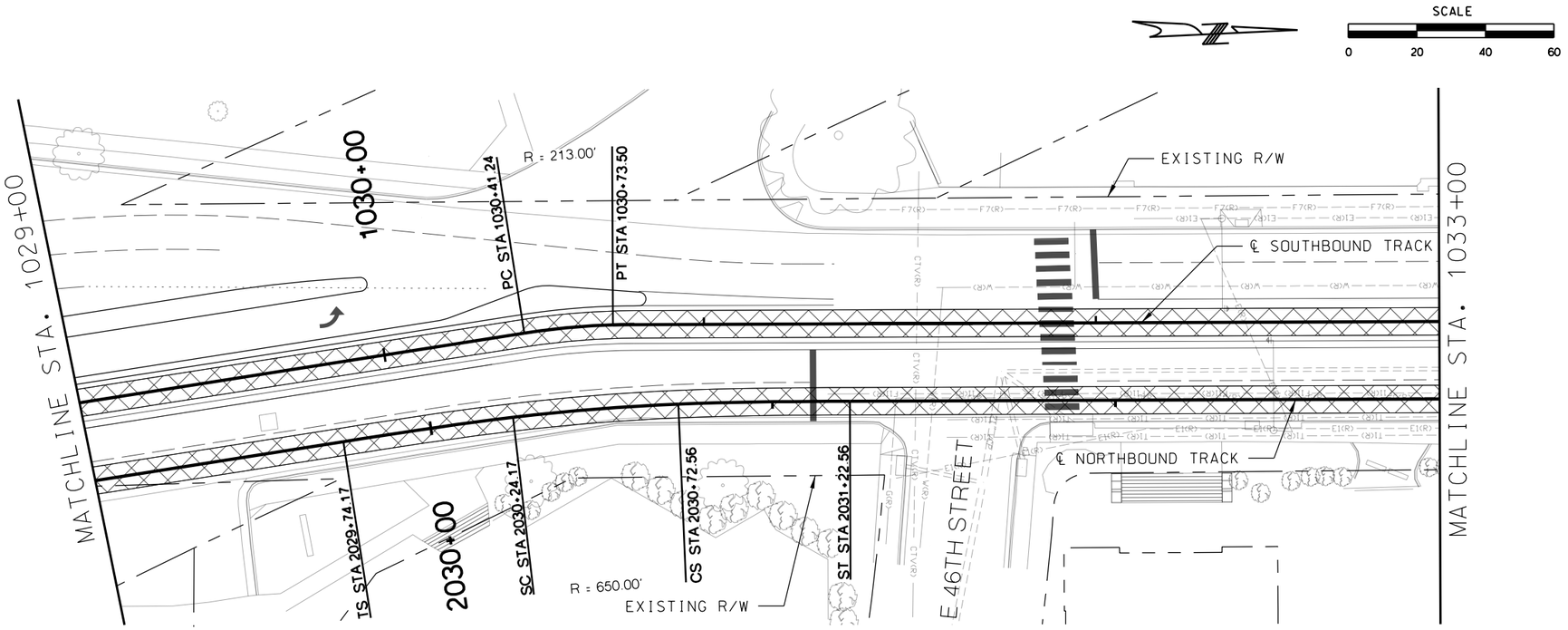
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

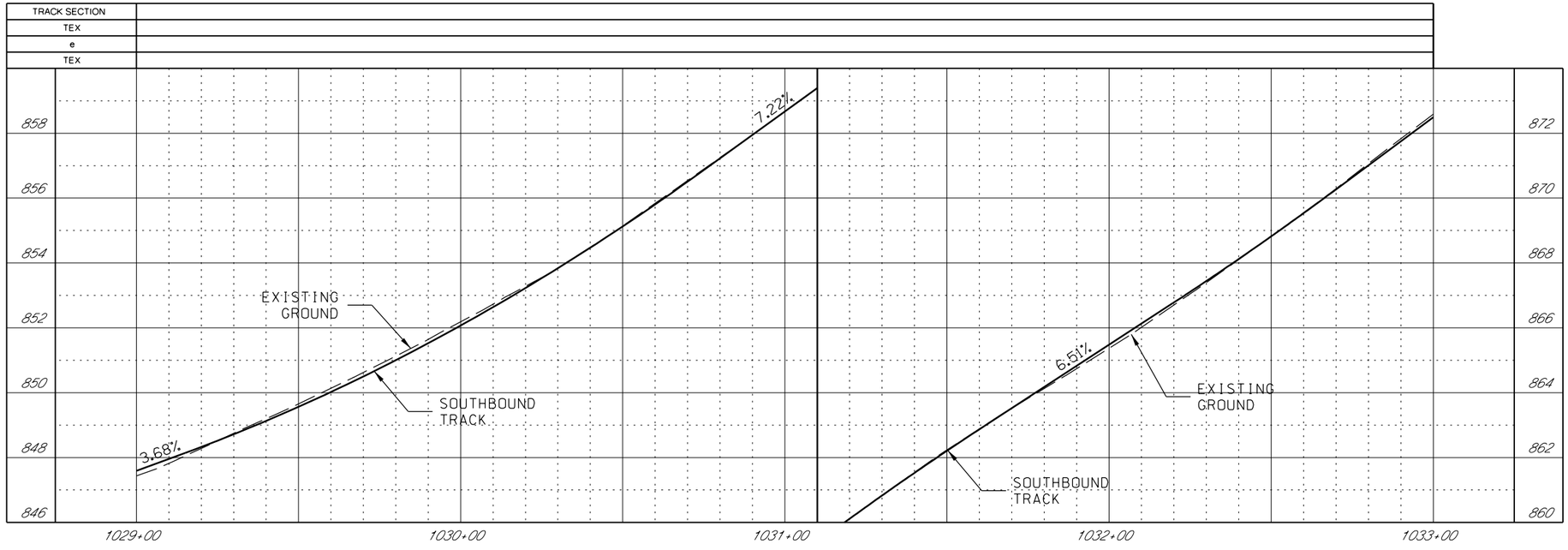
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
46TH STREET
NB STA 2029+00 TO STA 2033+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K109A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K109A
SHEET NO.:	50



ALTERNATIVE LEFT TURN LANE CONCEPT FOR AMERICAN CENTURY



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 5:19:59 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

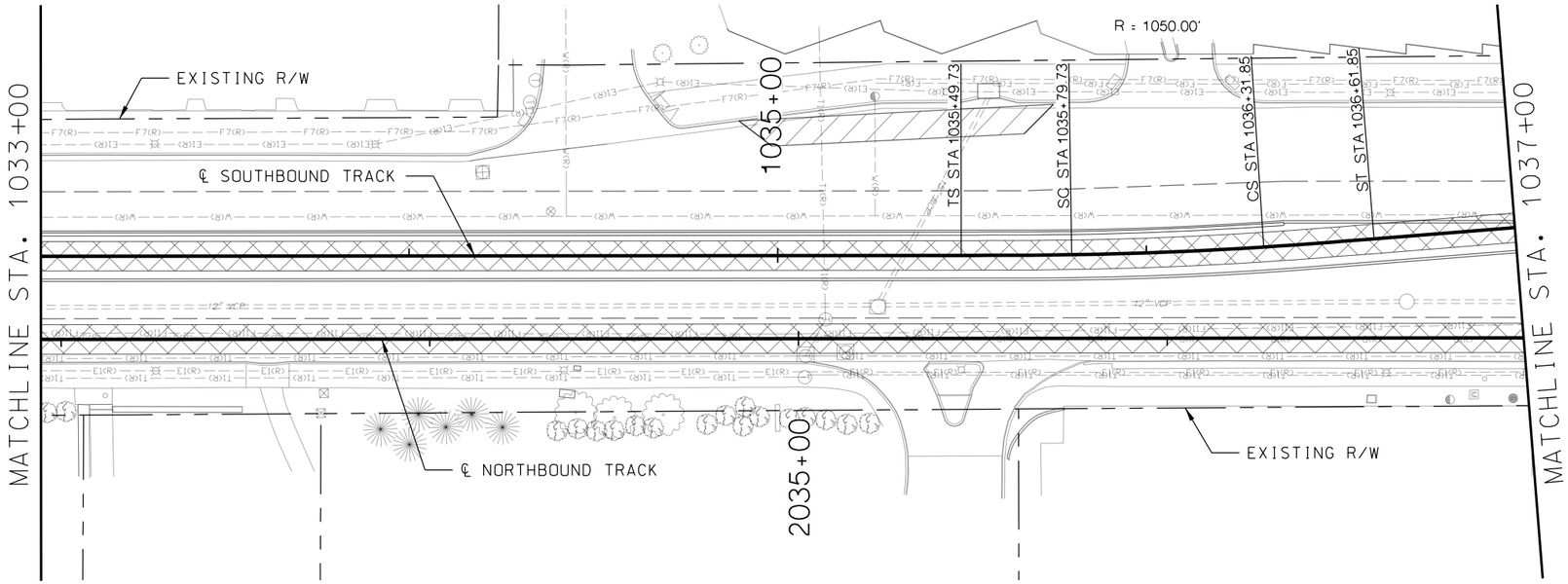
KANSAS CITY STREETCAR MAIN STREET EXTENSION

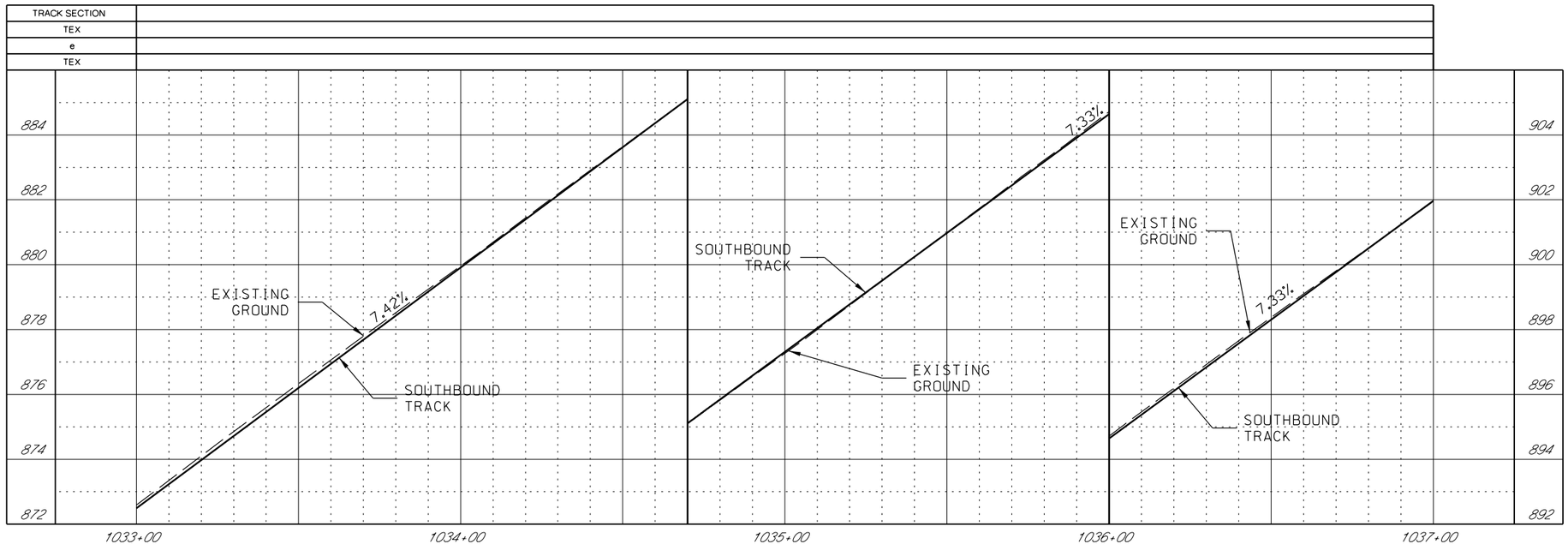
SOUTHBOUND TRACK
PLAN AND PROFILE
46TH STREET (ALT LEFT TURN)
SB STA 1029+00 TO STA 1033+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K109B.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K109B
SHEET NO.:	51

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:53 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

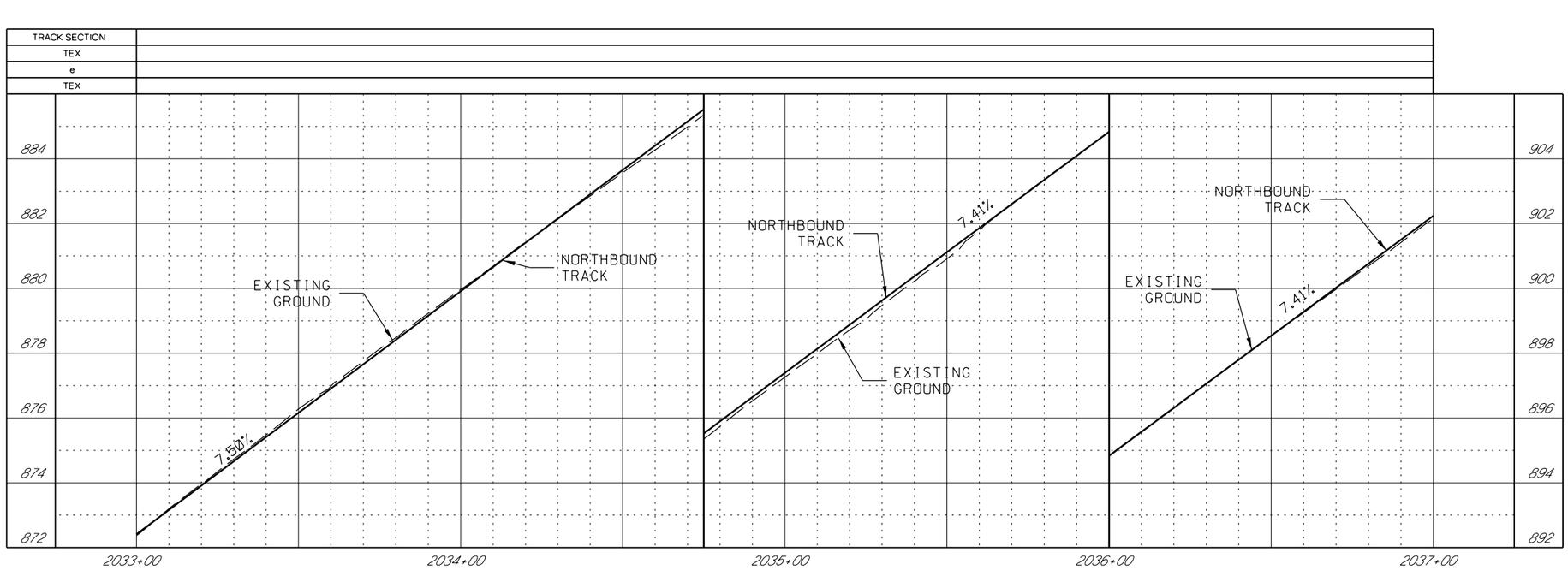
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1033+00 TO STA 1037+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K110.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K110
SHEET NO.:	52



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:10:58 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

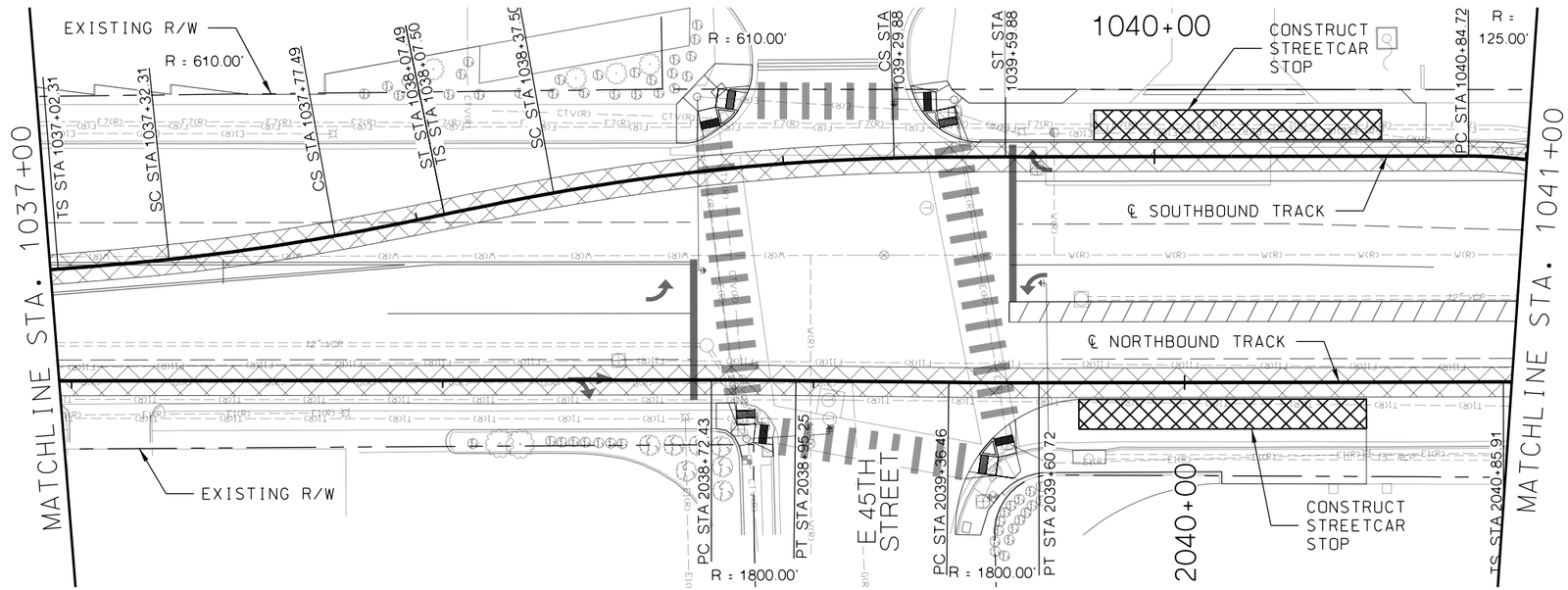
KANSAS CITY STREETCAR MAIN STREET EXTENSION

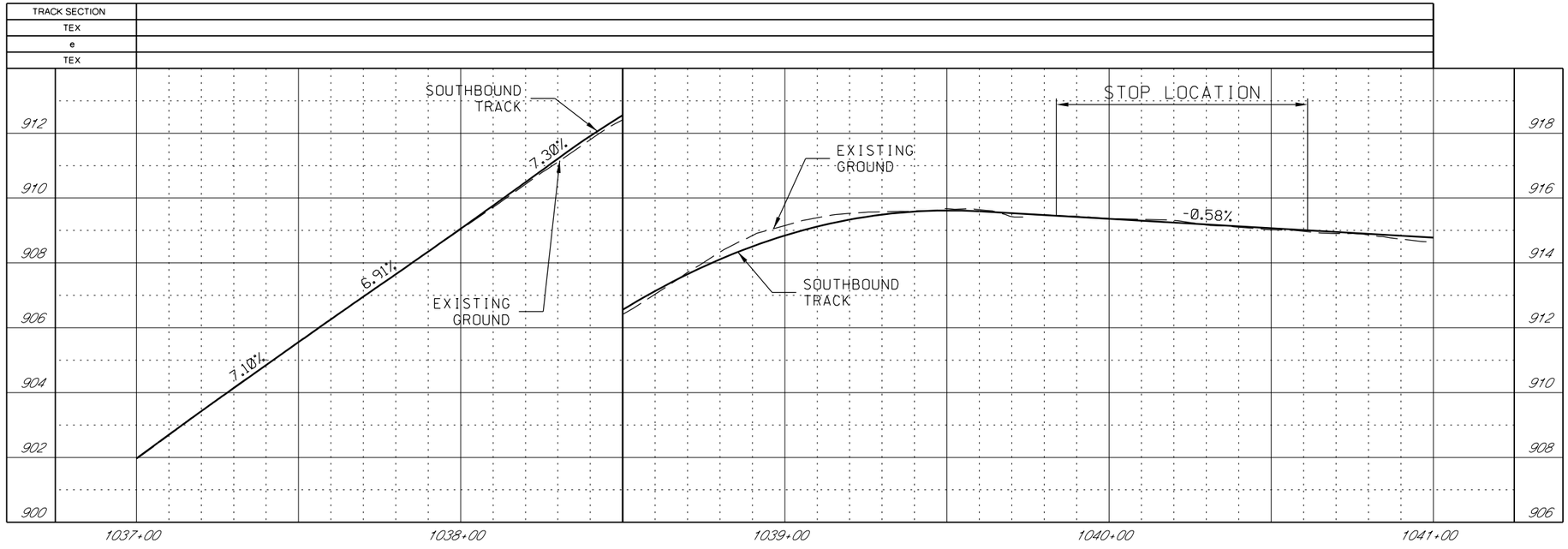
NORTHBOUND TRACK
PROFILE
NB STA 2033+00 TO STA 2037+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K110A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K110A
SHEET NO.:	53

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:11:06 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

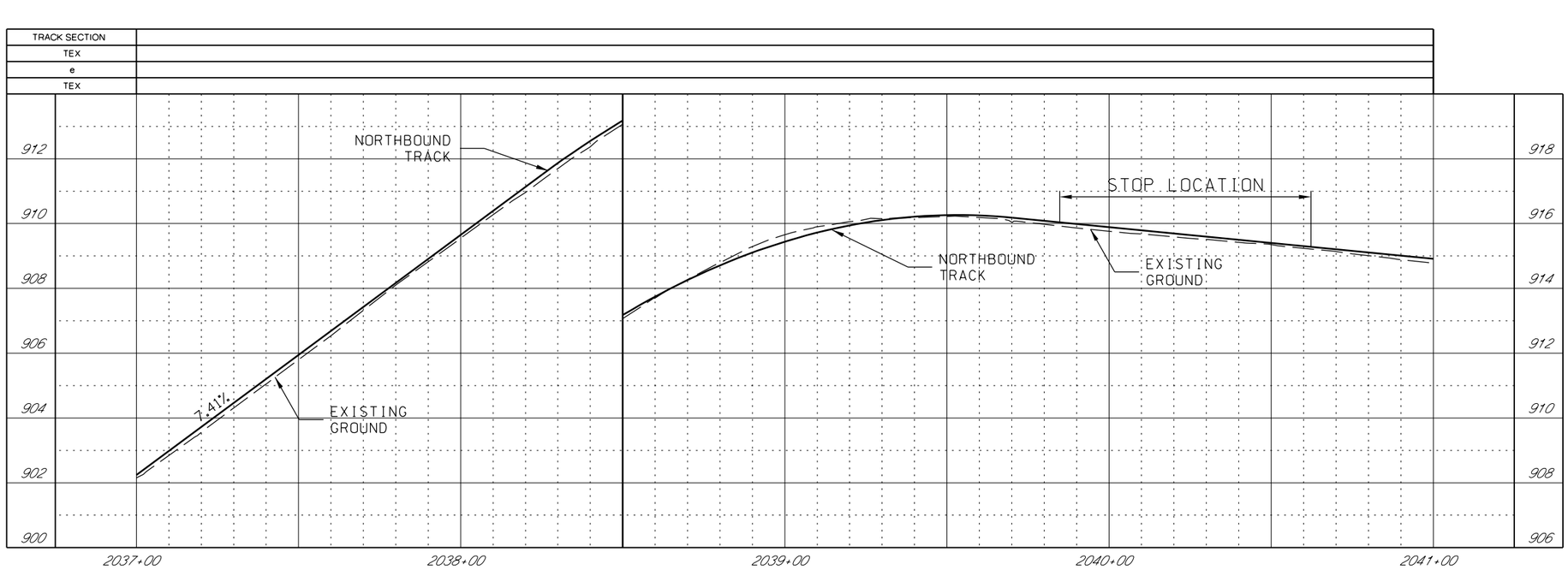
HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
45TH STREET
SB STA 1037+00 TO STA 1041+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K111.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K111
SHEET NO.:	54



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:11:12 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

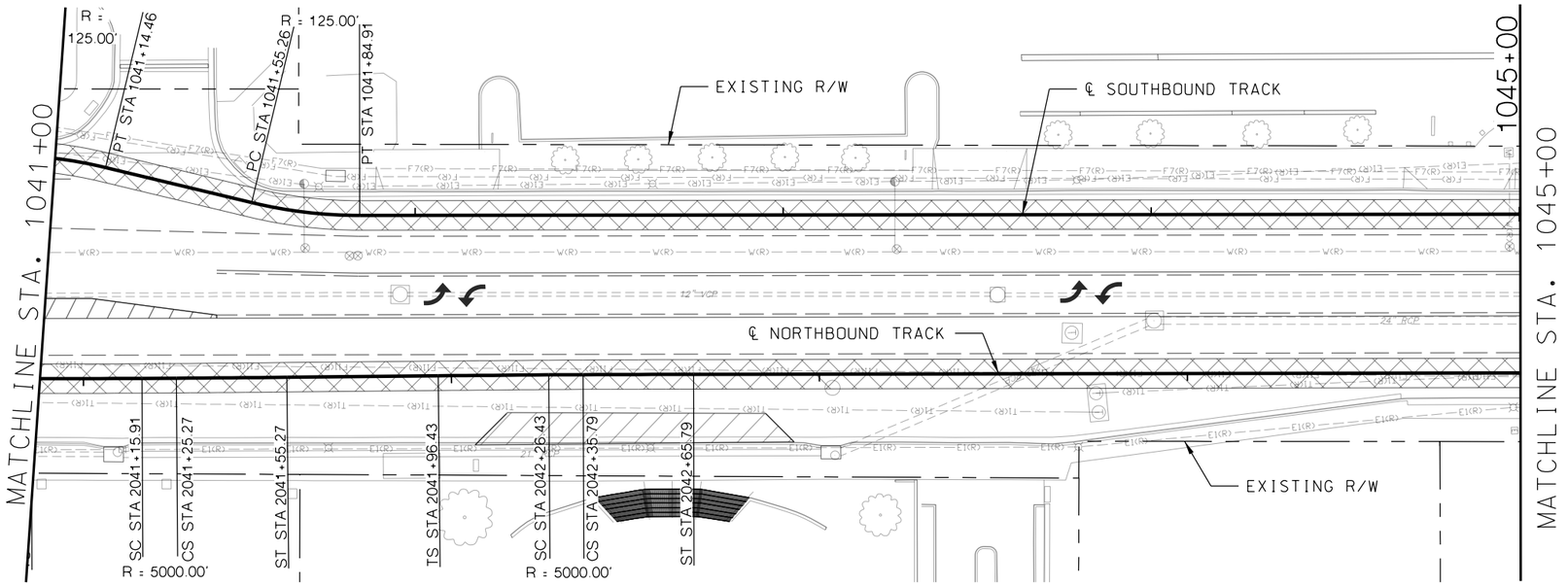
KANSAS CITY STREETCAR MAIN STREET EXTENSION

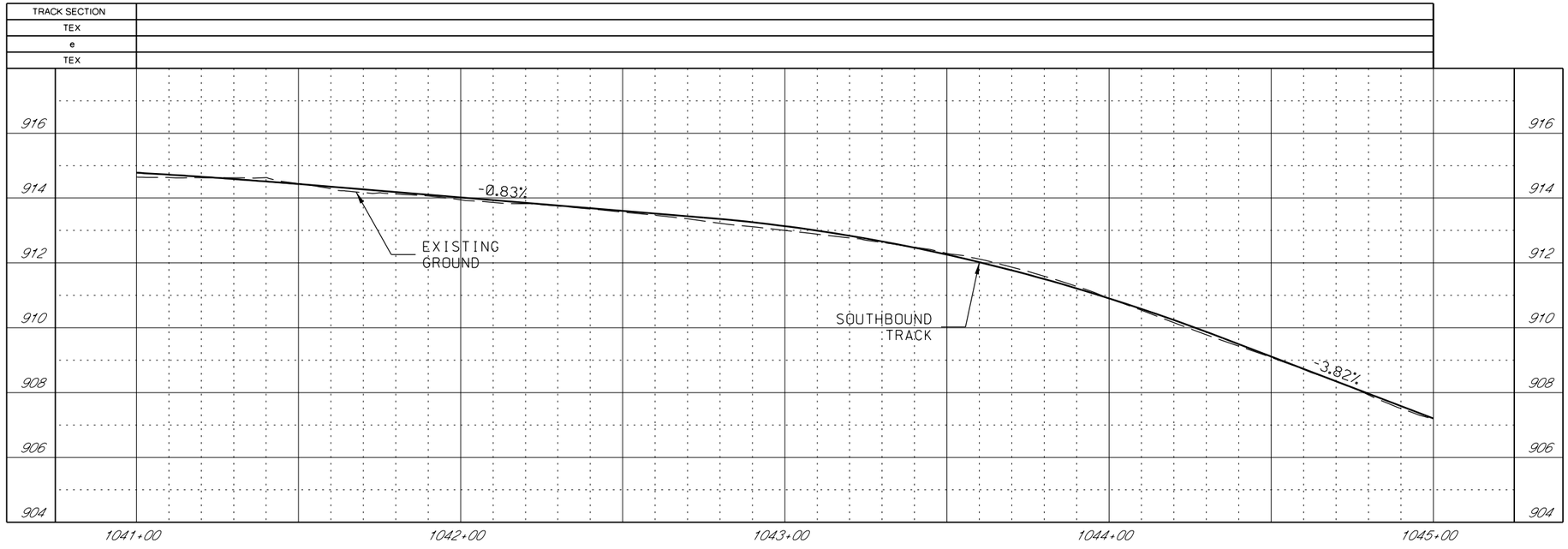
NORTHBOUND TRACK
PROFILE
45TH STREET
NB STA 2037+00 TO STA 2041+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K111A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K111A
SHEET NO.:	55

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:11:22 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

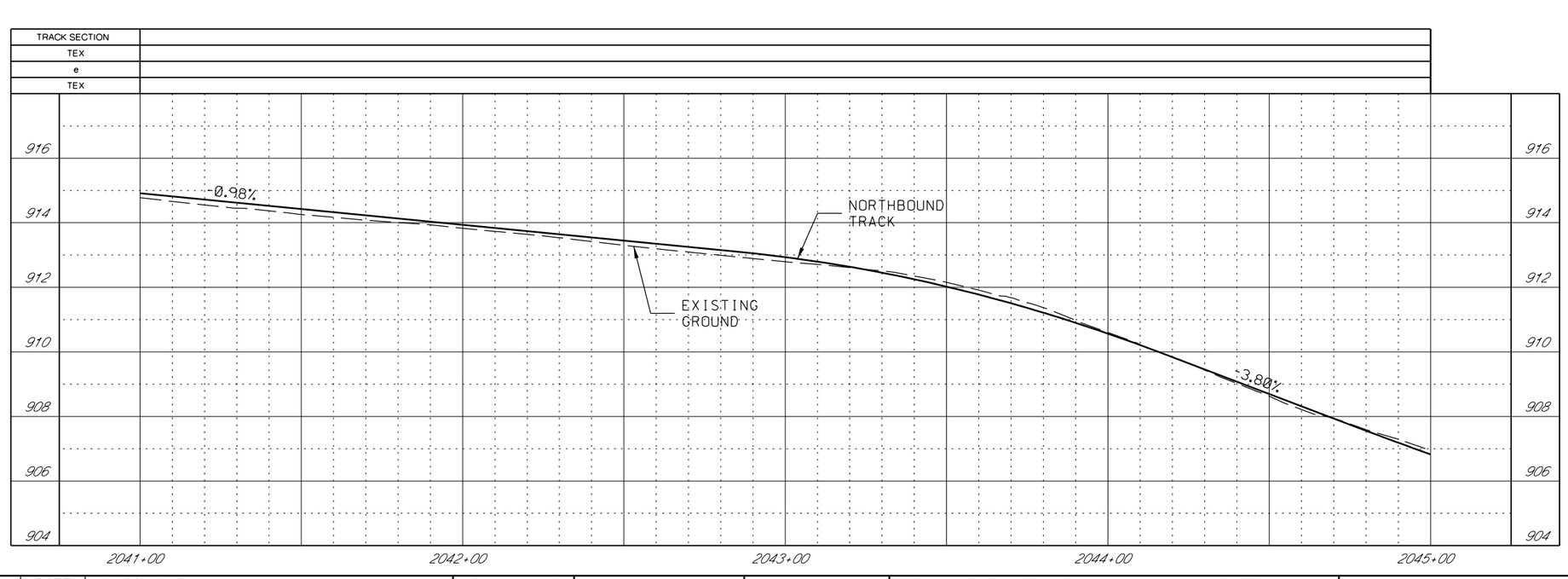
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1041+00 TO STA 1045+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K112.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K112
SHEET NO.:	56



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:11:32 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

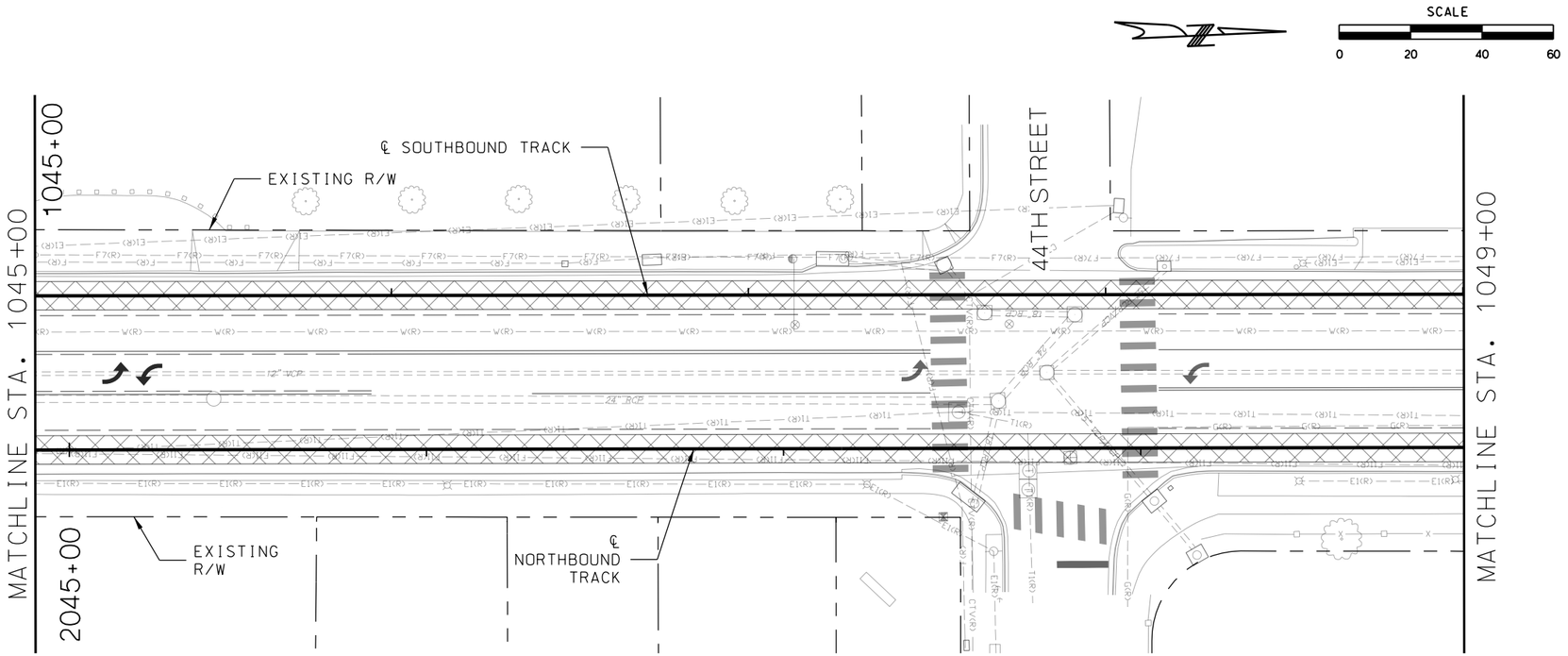
HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

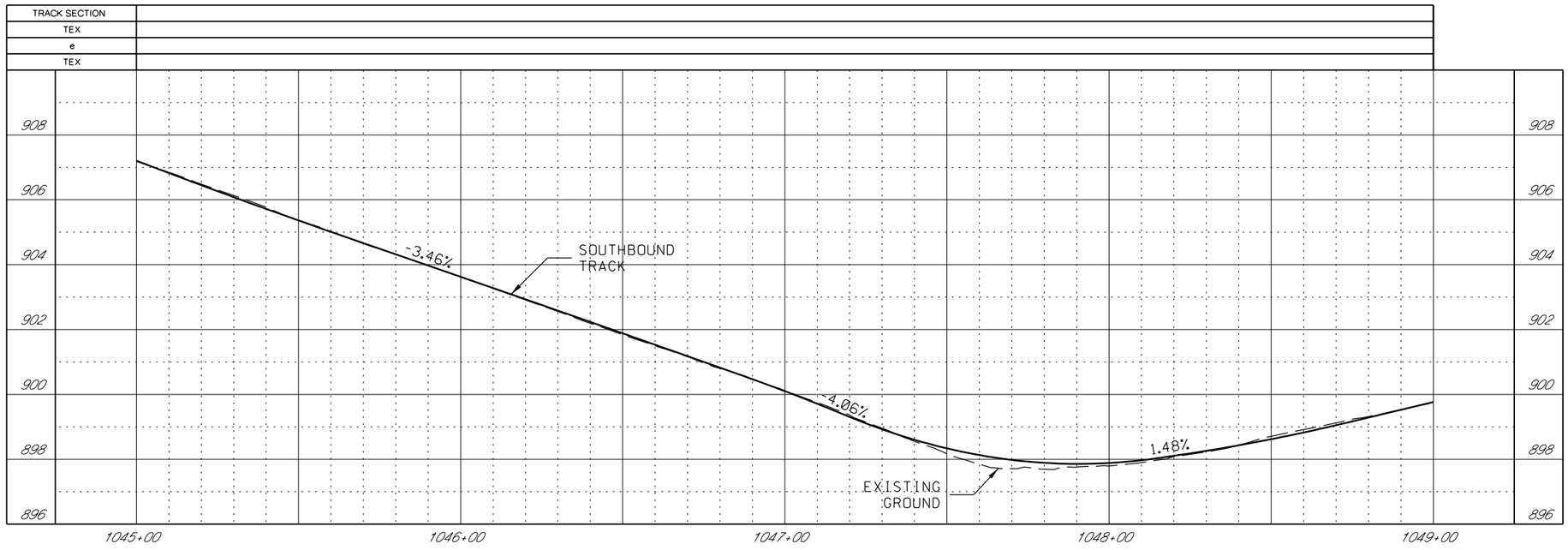
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2041+00 TO STA 2045+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K112A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K112A
SHEET NO.:	57





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:11:57 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

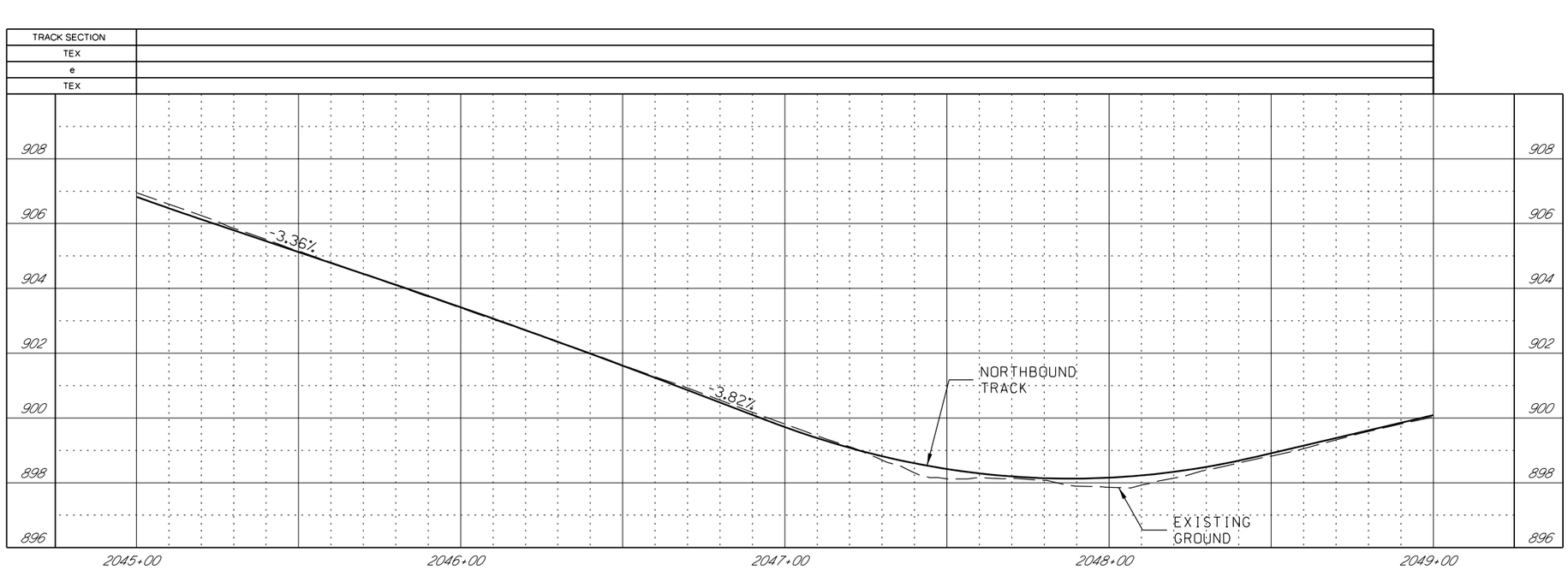
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
44TH STREET
SB STA 1045+00 TO STA 1049+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K113.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K113
SHEET NO.:	58



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:03 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

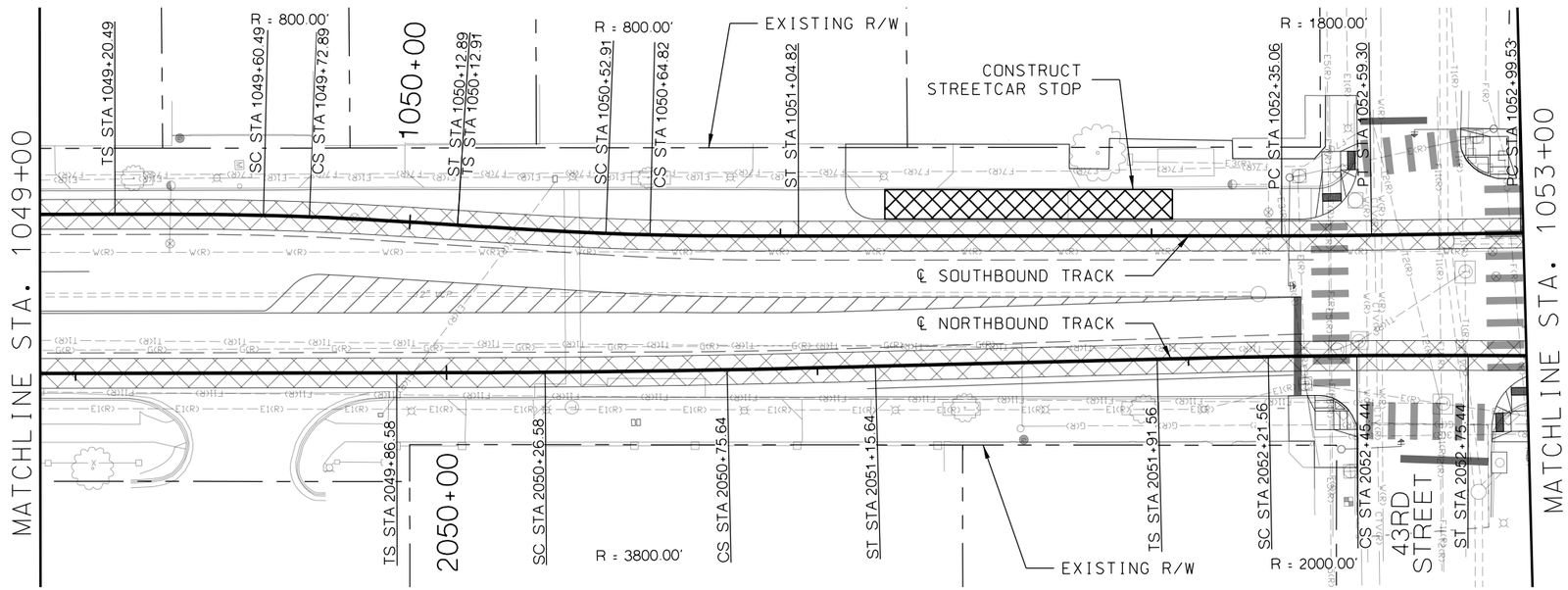
KANSAS CITY STREETCAR MAIN STREET EXTENSION

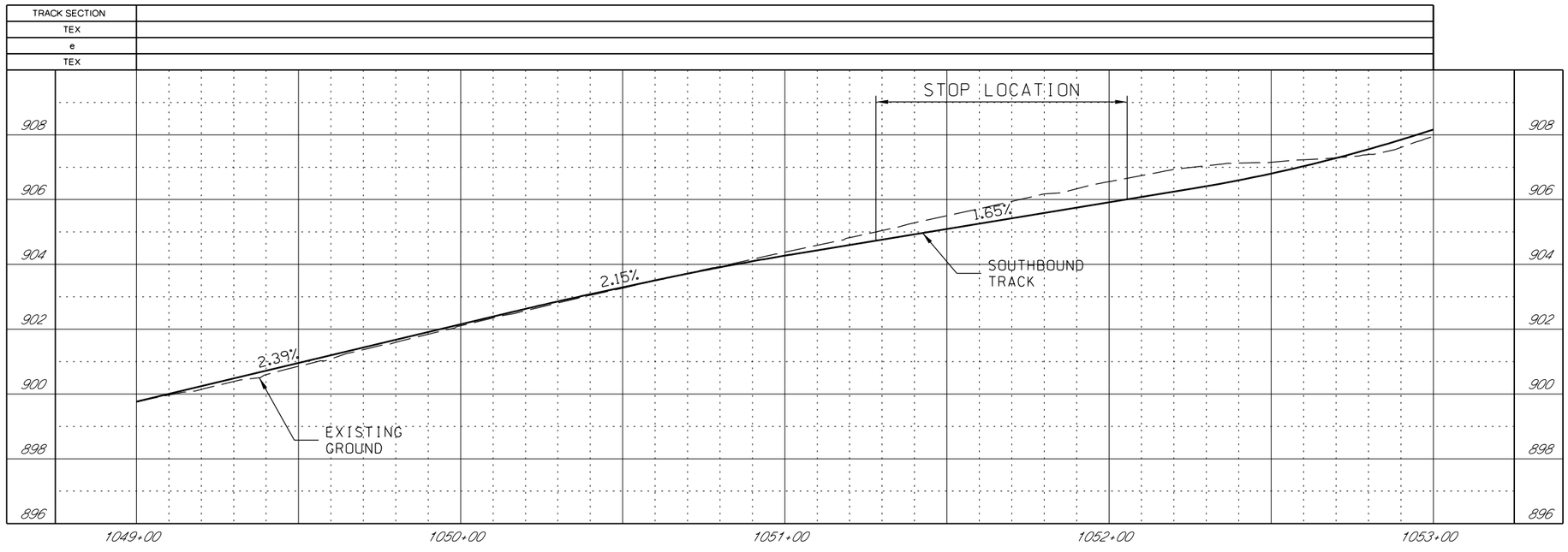
NORTHBOUND TRACK
PROFILE
44TH STREET
NB STA 2045+00 TO STA 2049+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K113A.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	K113A
SHEET NO.:	59

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:12 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

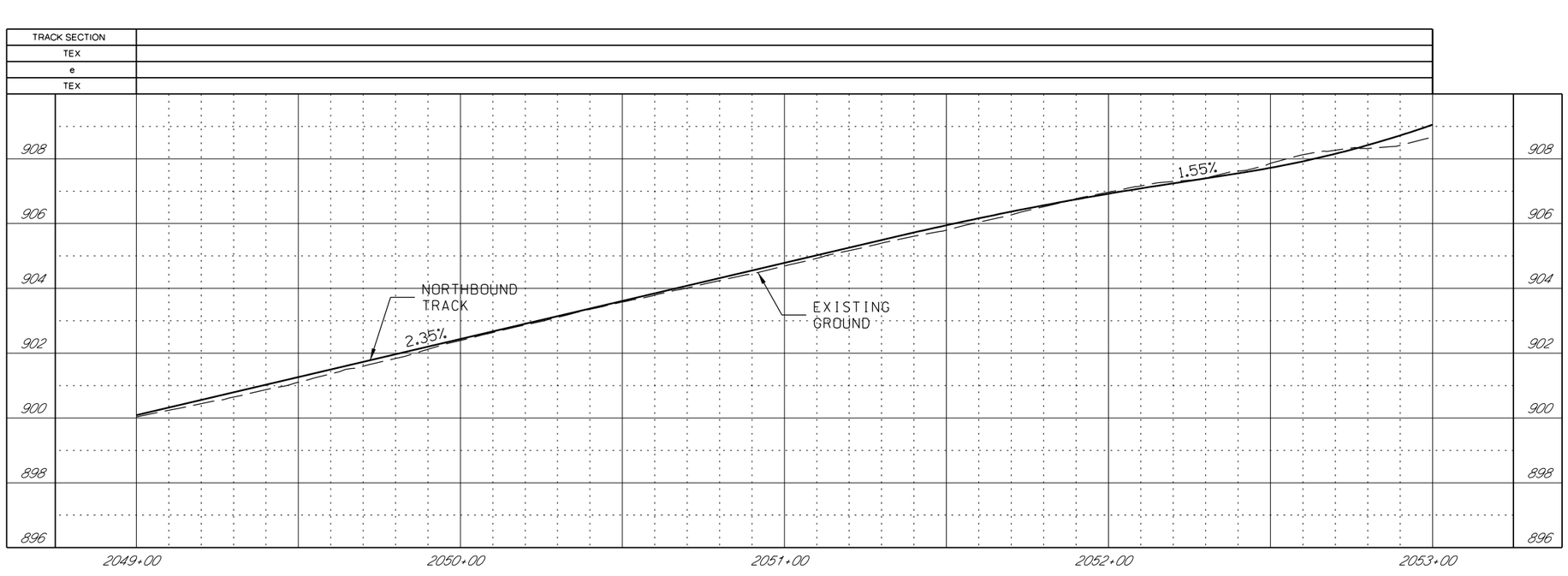
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
43RD STREET
SB STA 1049+00 TO STA 1053+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K114.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K114
SHEET NO.:	60



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:17 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
43RD STREET
NB STA 2049+00 TO STA 2053+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K114A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K114A
SHEET NO.:	61

SCALE
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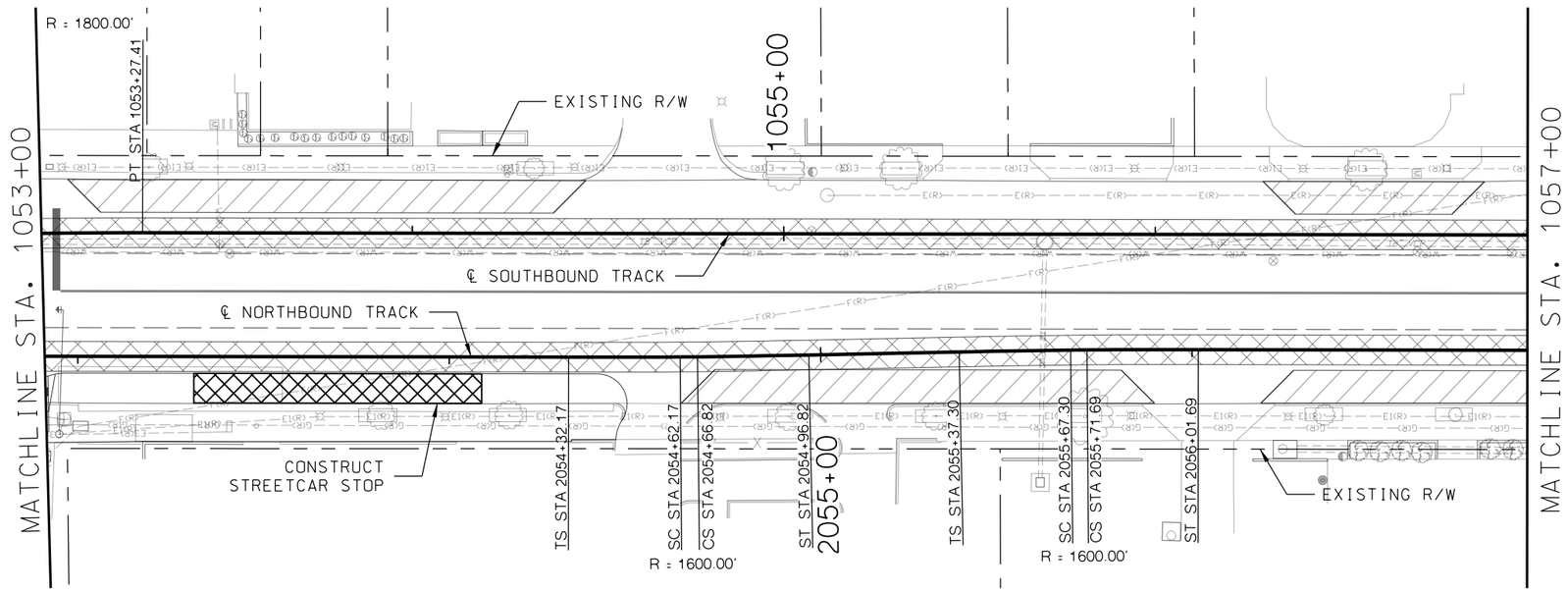
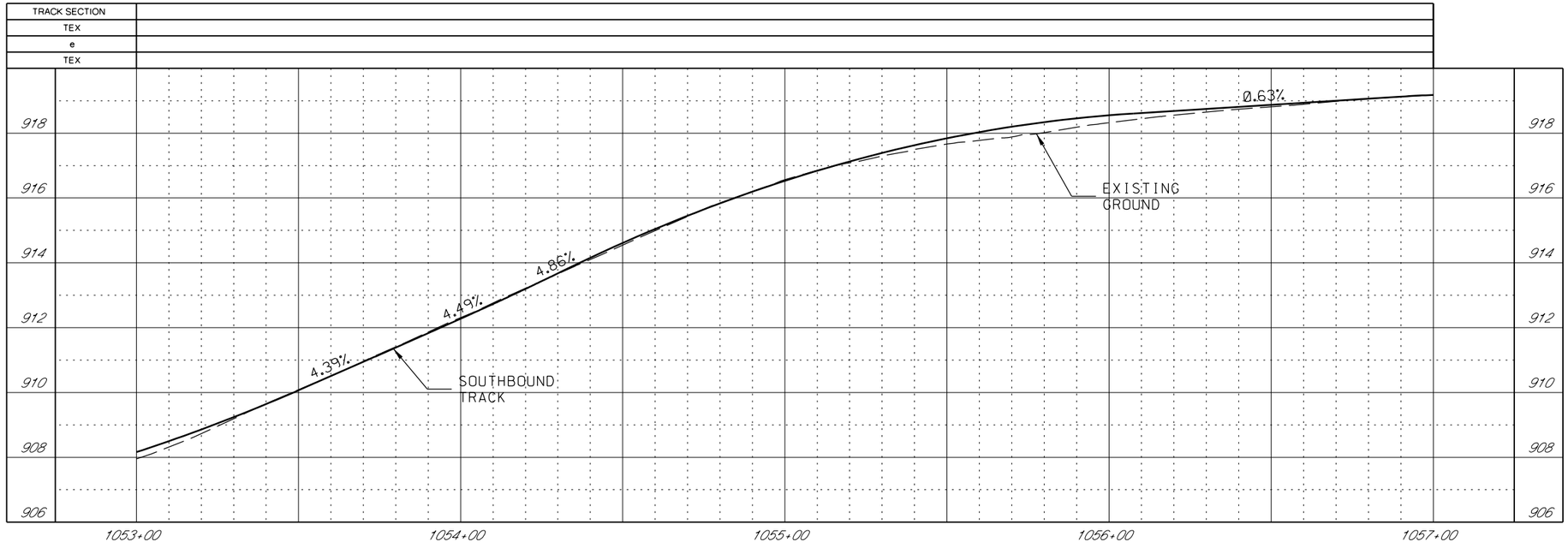




GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

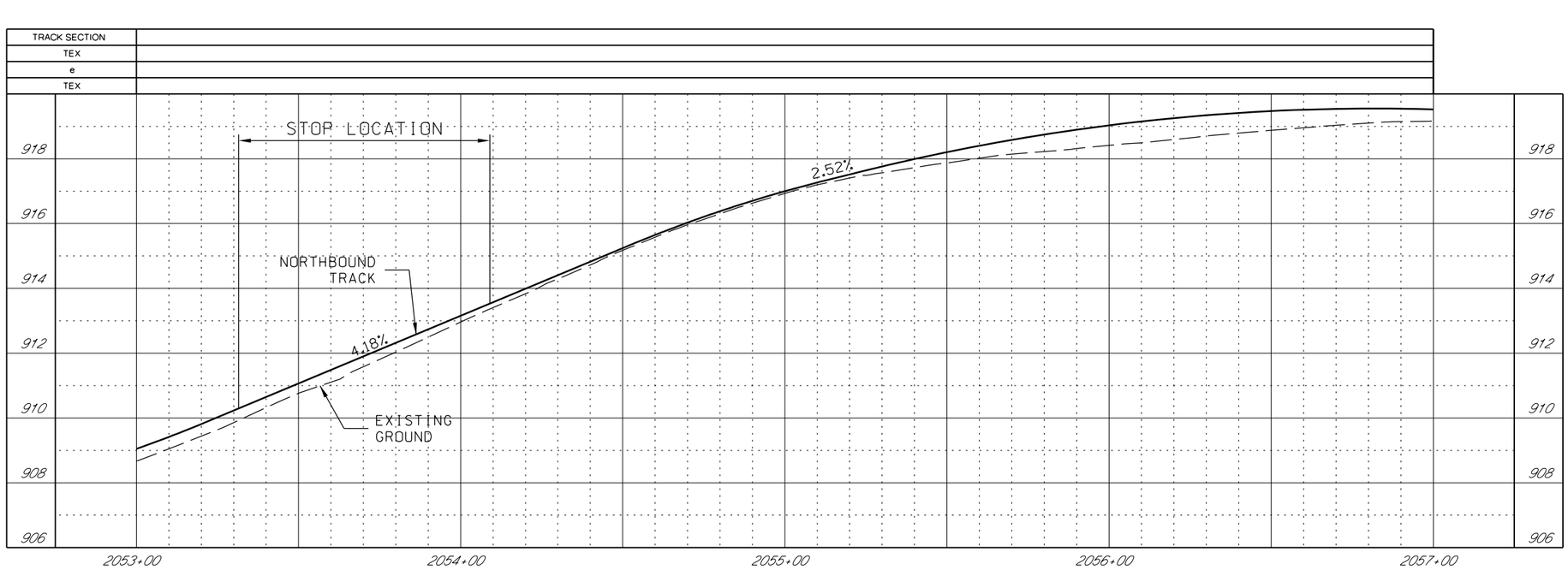
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
43RD STREET
SB STA 1053+00 TO STA 1057+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K115.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K115
SHEET NO.:	62



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:30 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

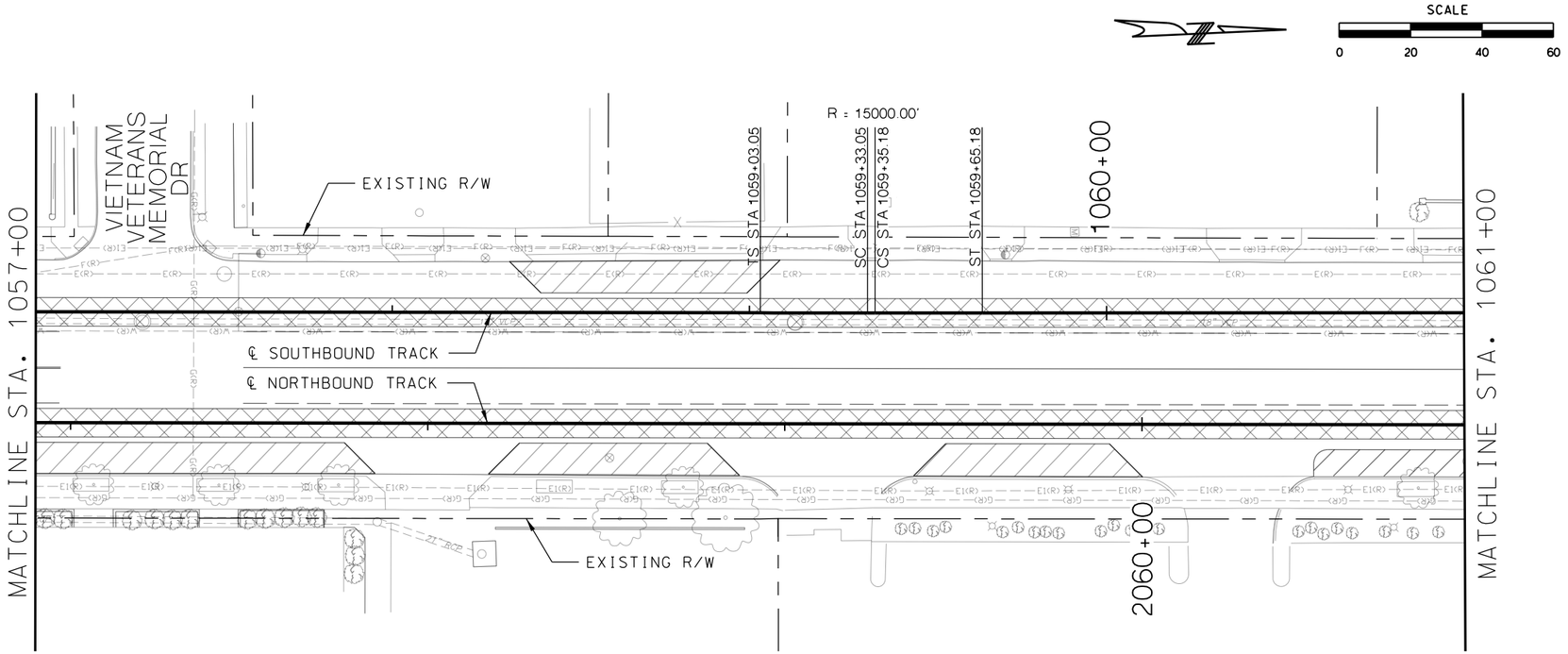
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

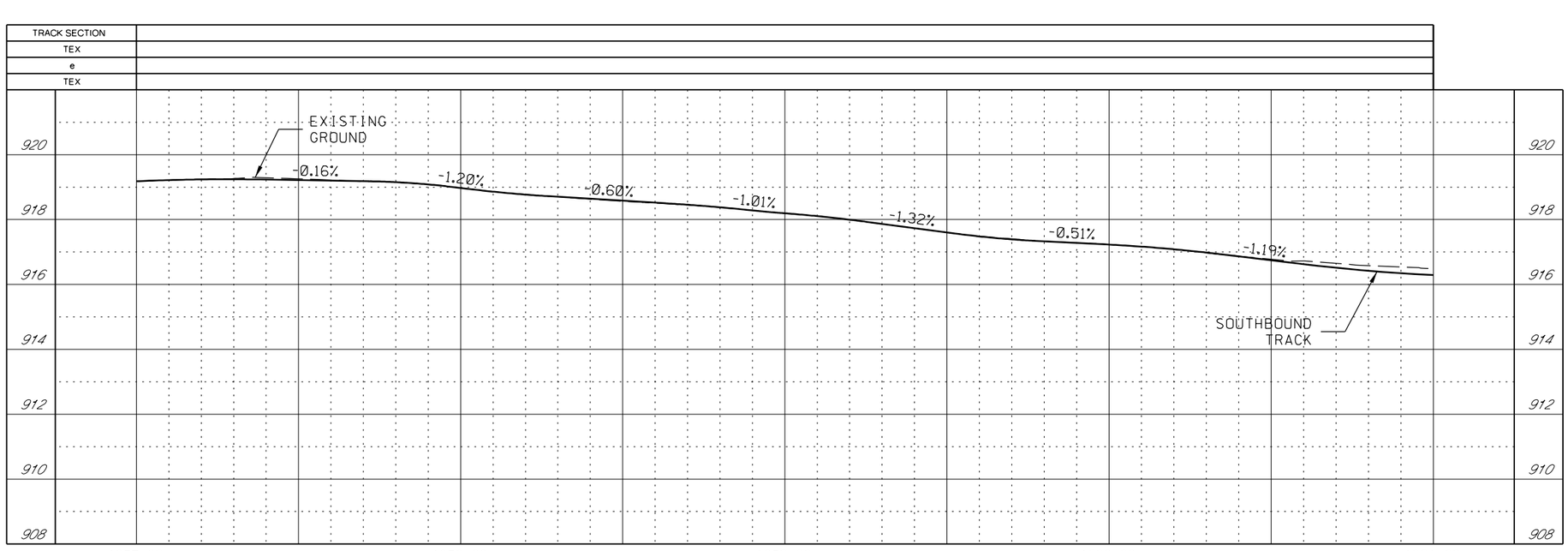
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
43RD STREET
NB STA 2053+00 TO STA 2057+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K115A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K115A
SHEET NO.:	63





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:37 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

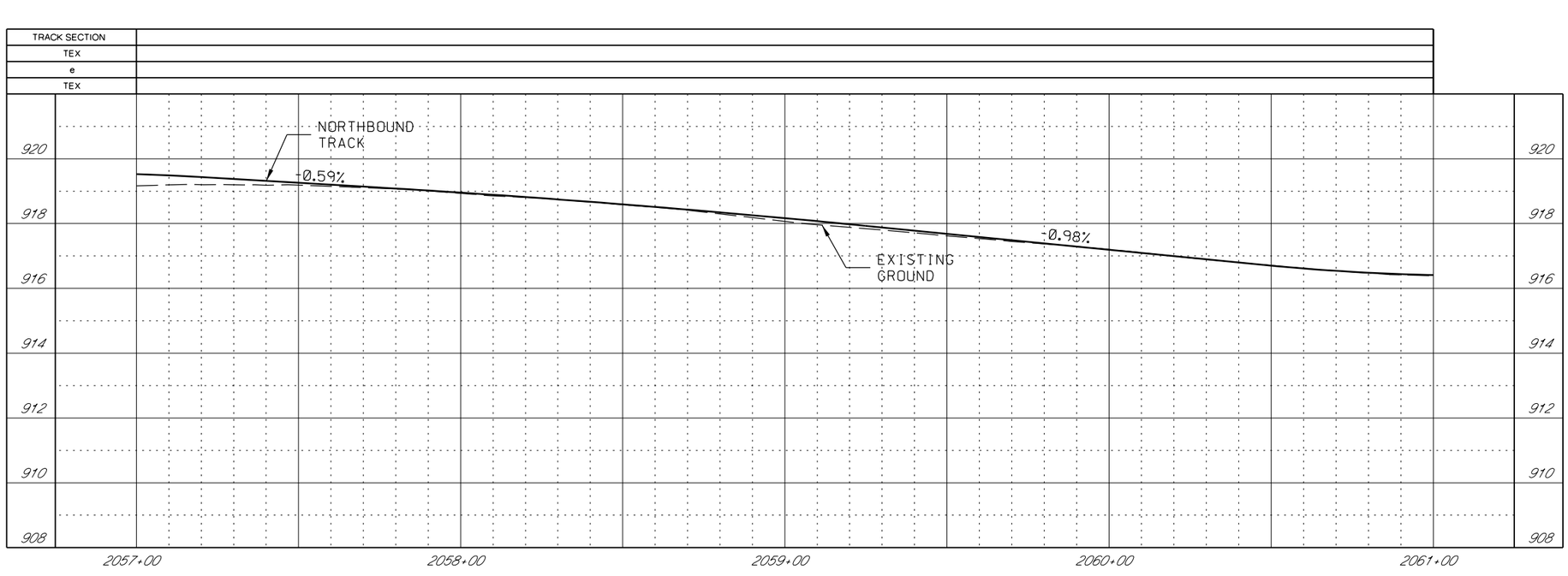
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
VIETNAM VETRANS MEMORIAL DRIVE
SB STA 1057+00 TO STA 1061+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K116.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K116
SHEET NO.:	64



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

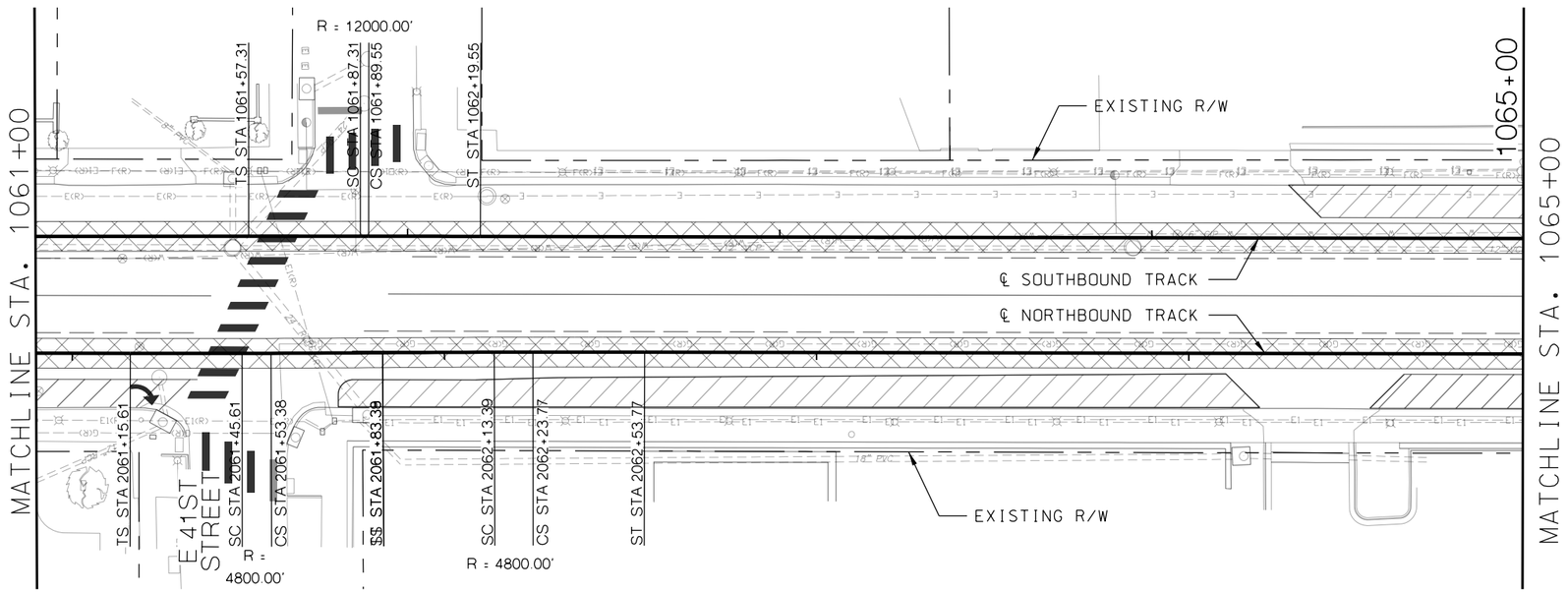
NOT FOR CONSTRUCTION

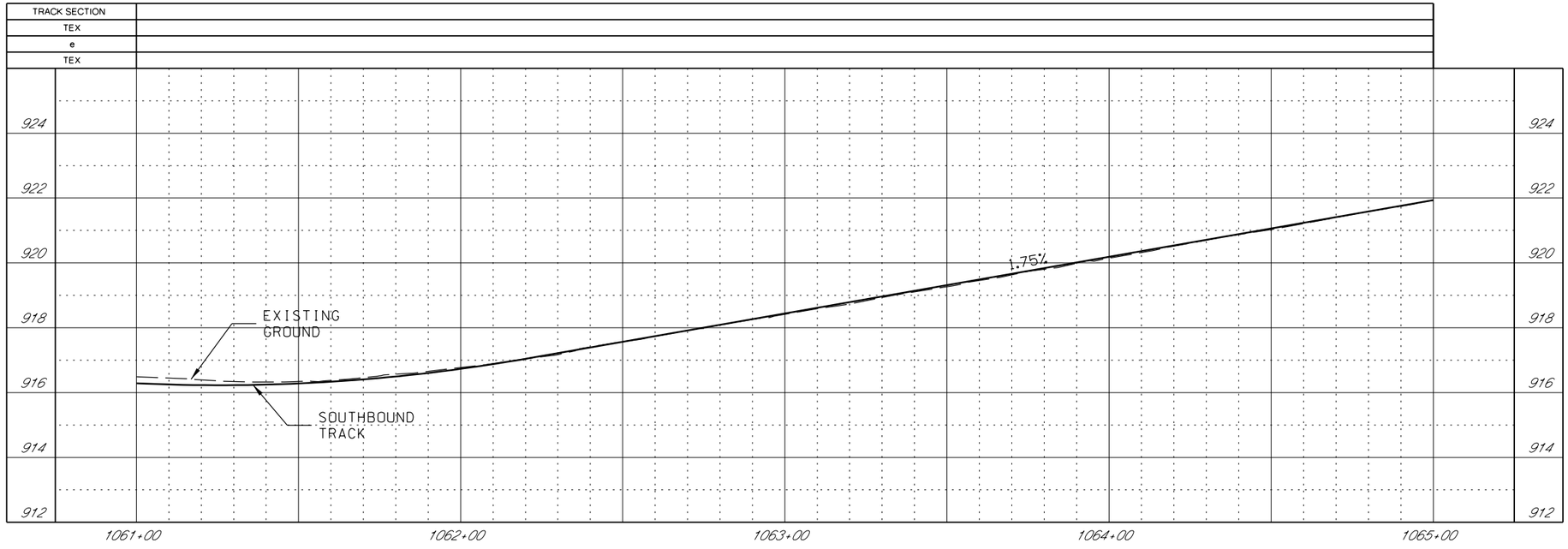
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
VIETNAM VETRANS MEMORIAL DRIVE
NB STA 2057+00 TO STA 2061+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K116A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K116A
SHEET NO.:	65

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:48 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

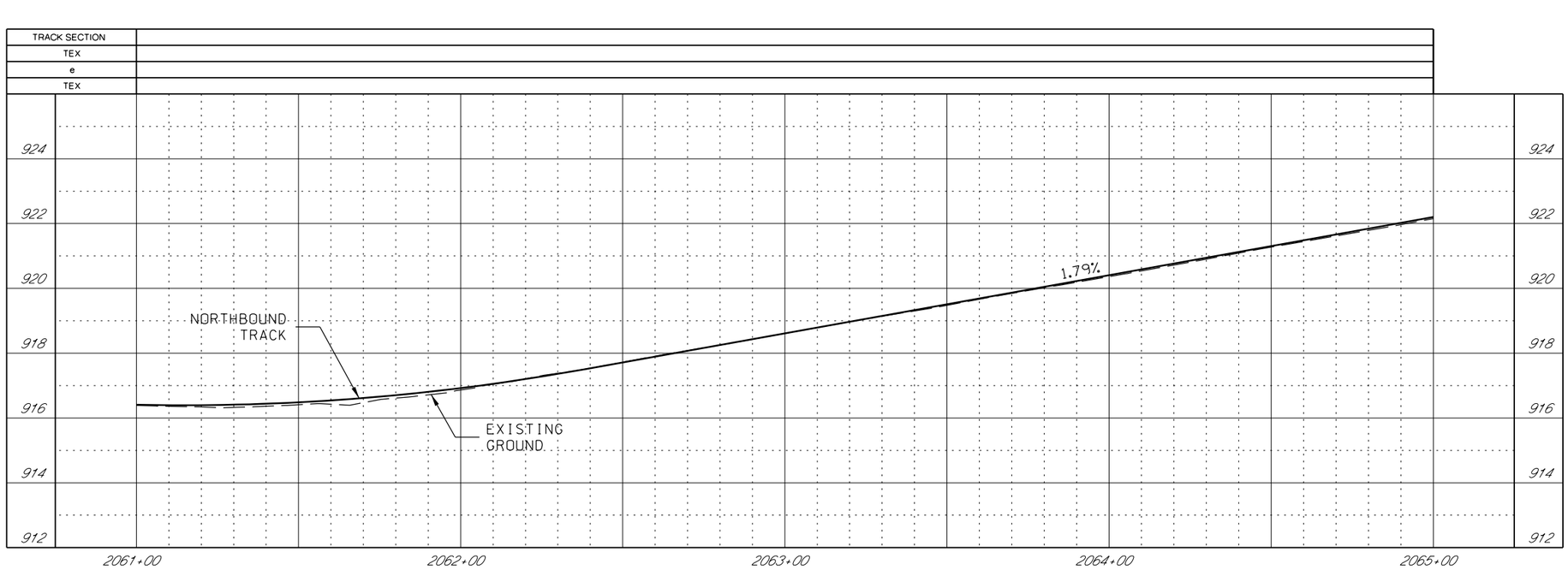
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
41ST STREET
SB STA 1061+00 TO STA 1065+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K117.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K117
SHEET NO.:	66



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:12:54 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

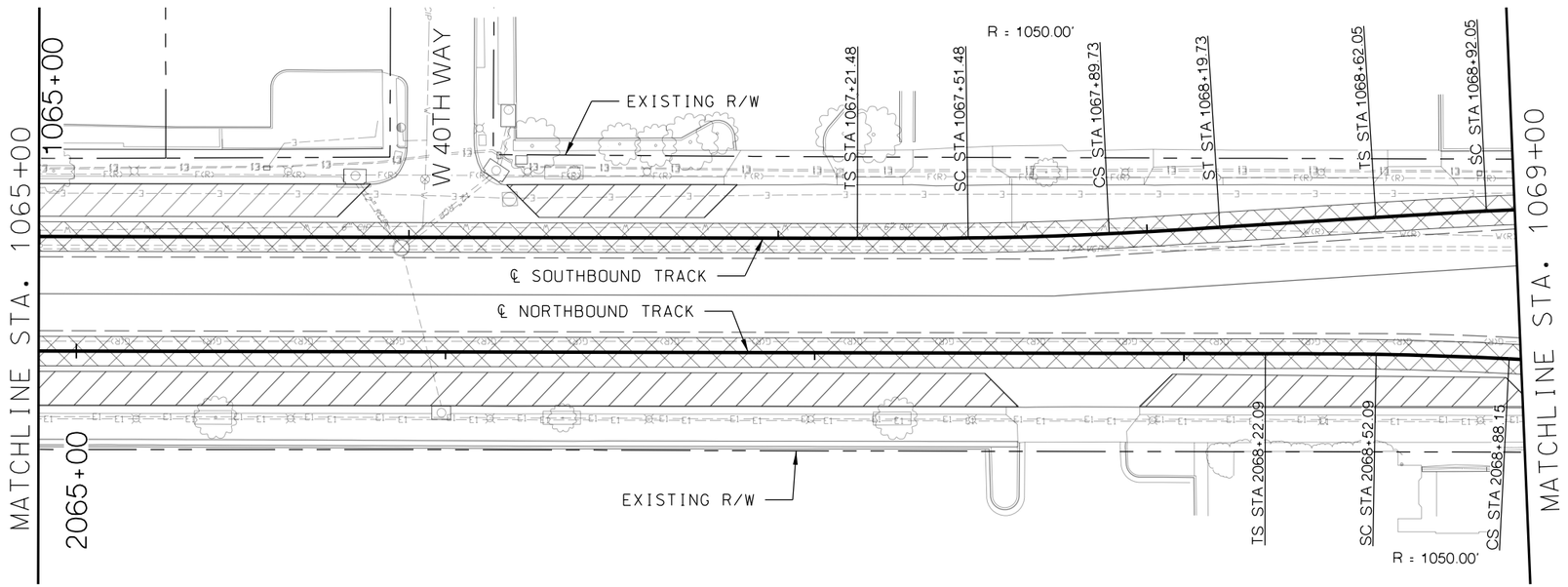
KANSAS CITY STREETCAR MAIN STREET EXTENSION

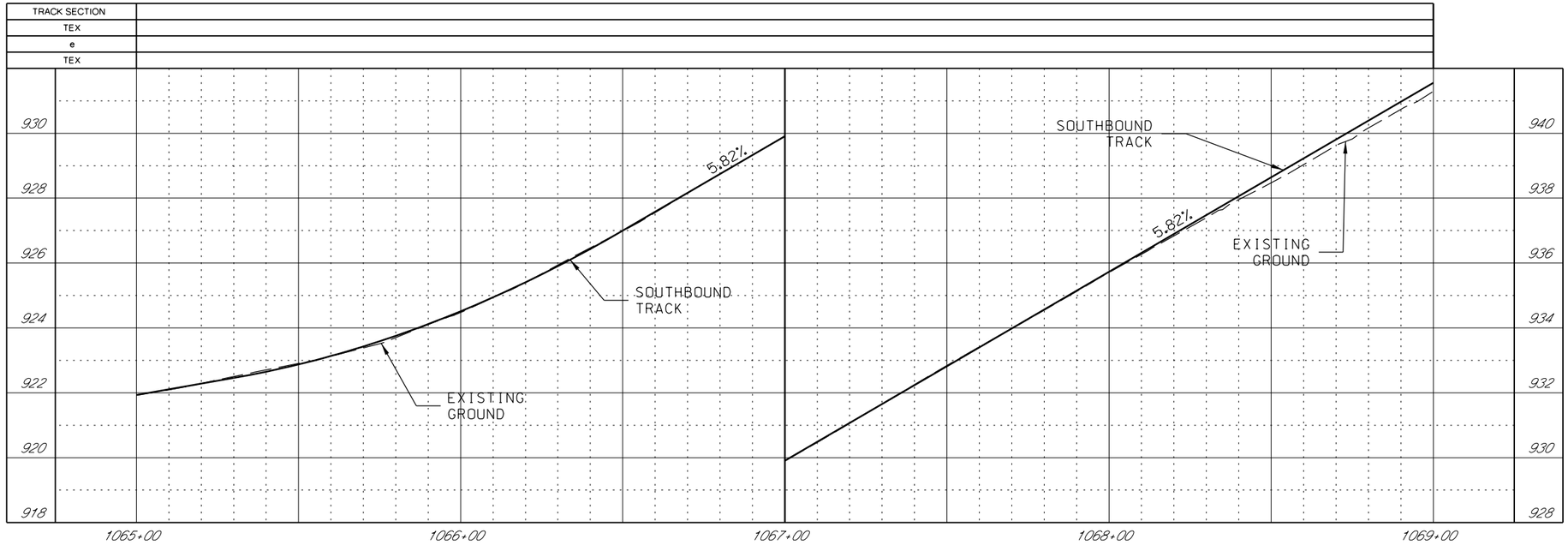
NORTHBOUND TRACK
PROFILE
41ST STREET
NB STA 2061+00 TO STA 2065+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K117A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K117A
SHEET NO.:	67

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:00 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

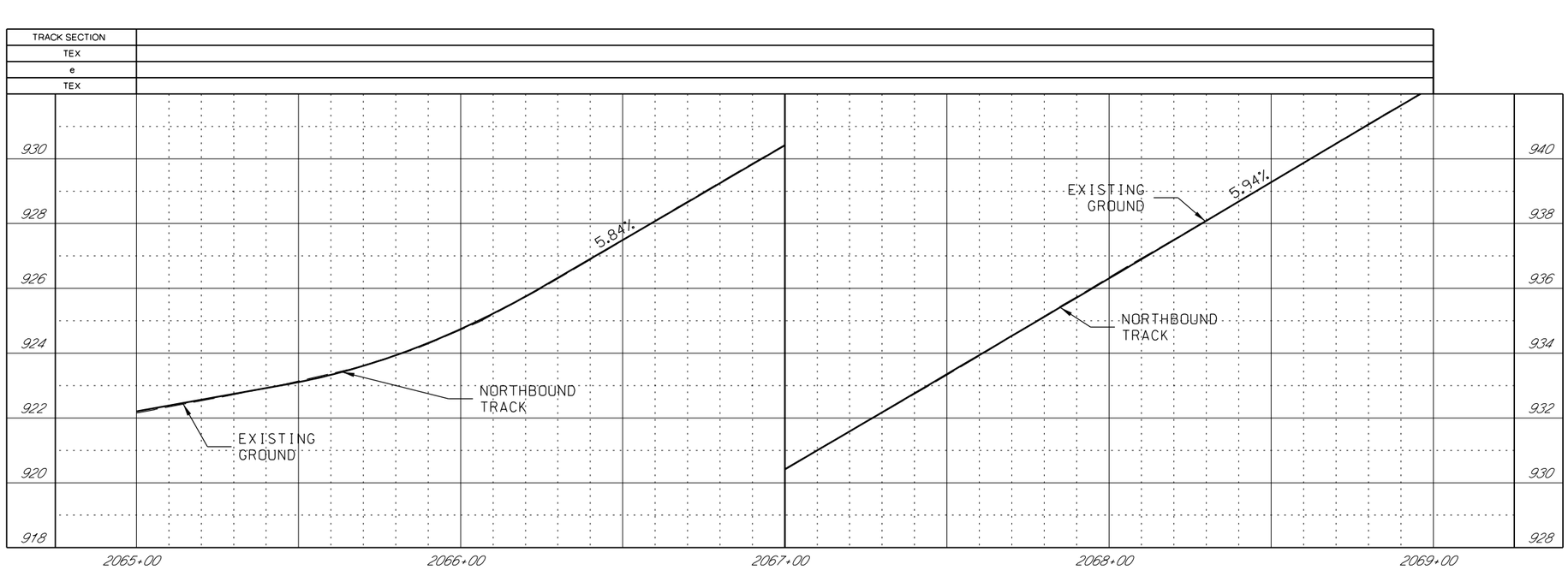
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
40TH WAY
SB STA 1065+00 TO STA 1069+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K118.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K118
SHEET NO.:	68



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:06 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

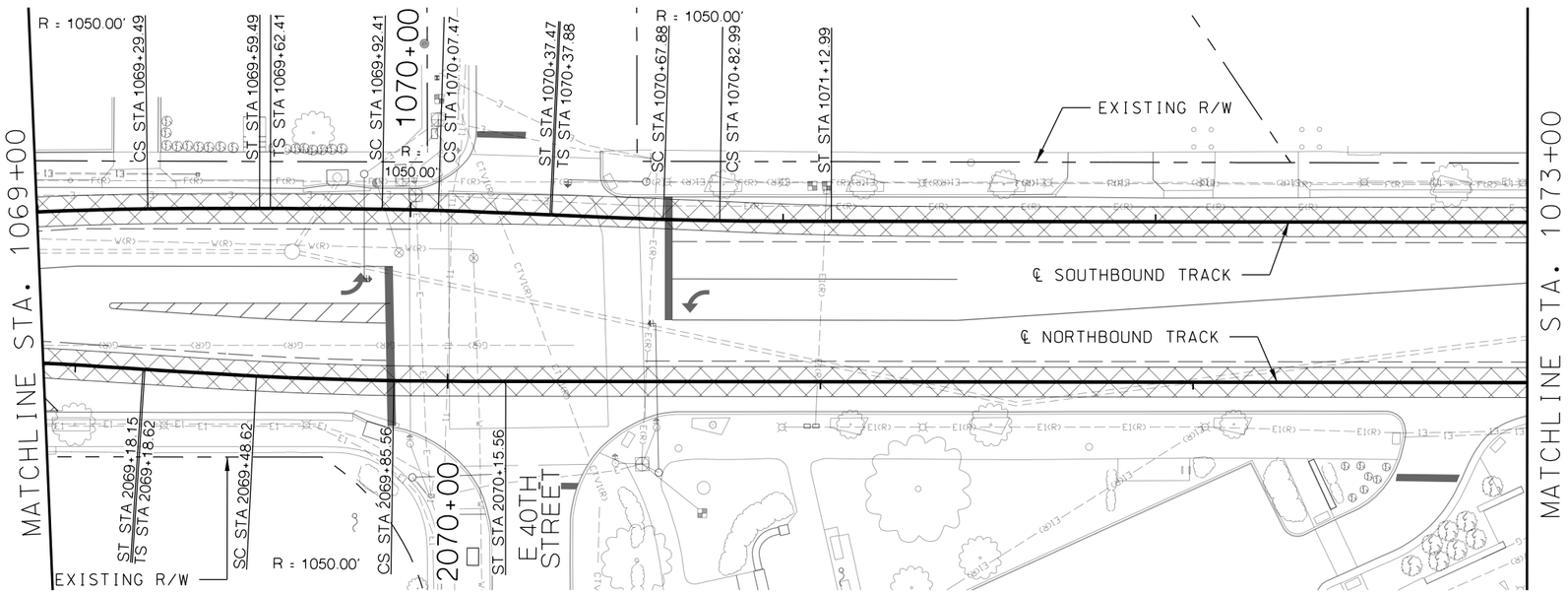
KANSAS CITY STREETCAR MAIN STREET EXTENSION

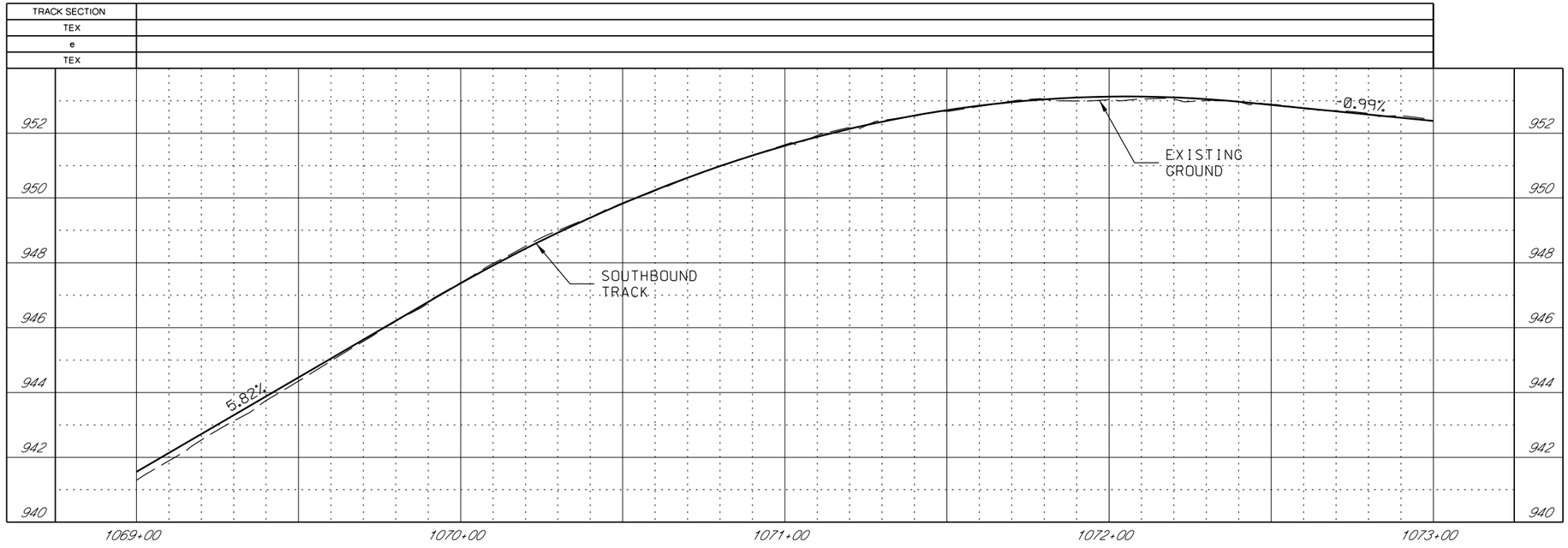
NORTHBOUND TRACK
PROFILE
40TH WAY
NB STA 2065+00 TO STA 2069+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K118A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K118A
SHEET NO.:	69

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:13 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

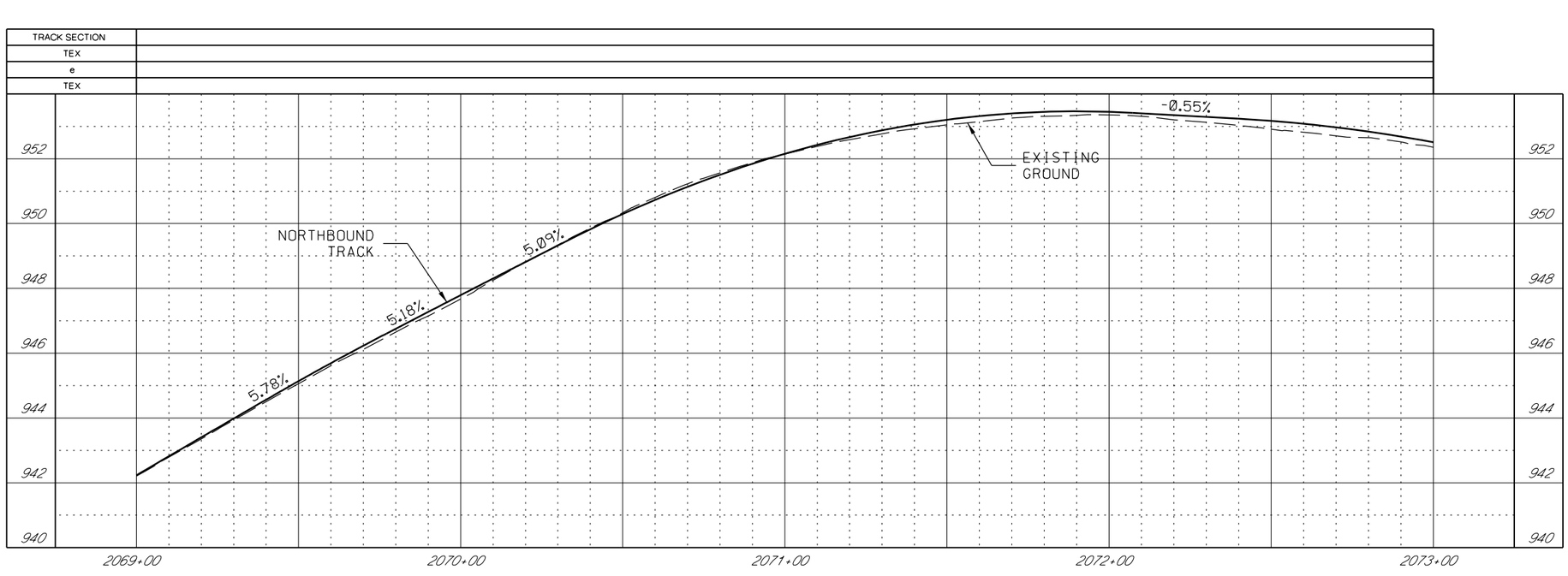
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
40TH STREET
SB STA 1069+00 TO STA 1073+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K119.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K119
SHEET NO.:	70



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:19 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

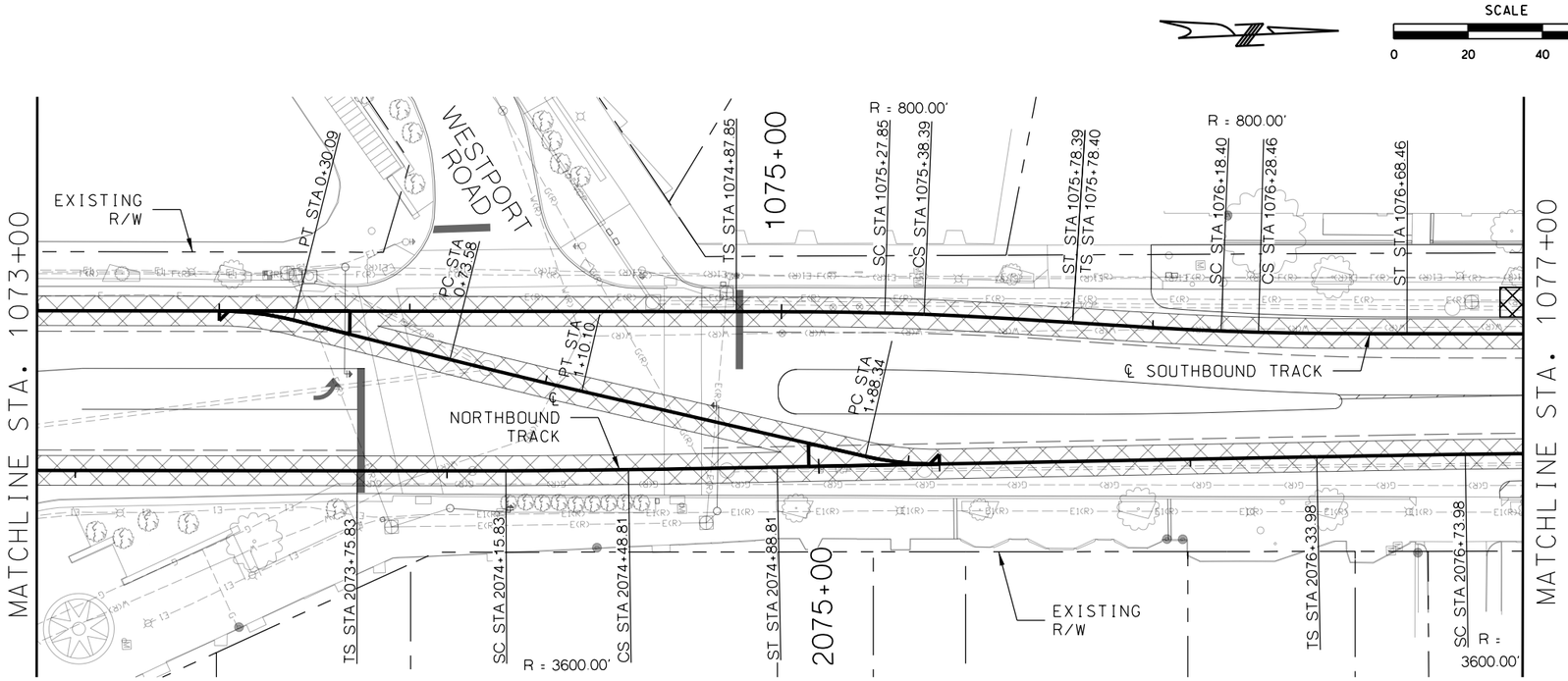
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
40TH STREET
NB STA 2069+00 TO STA 2073+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K119A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K119A
SHEET NO.:	71

CONSTRUCTION NOTES



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

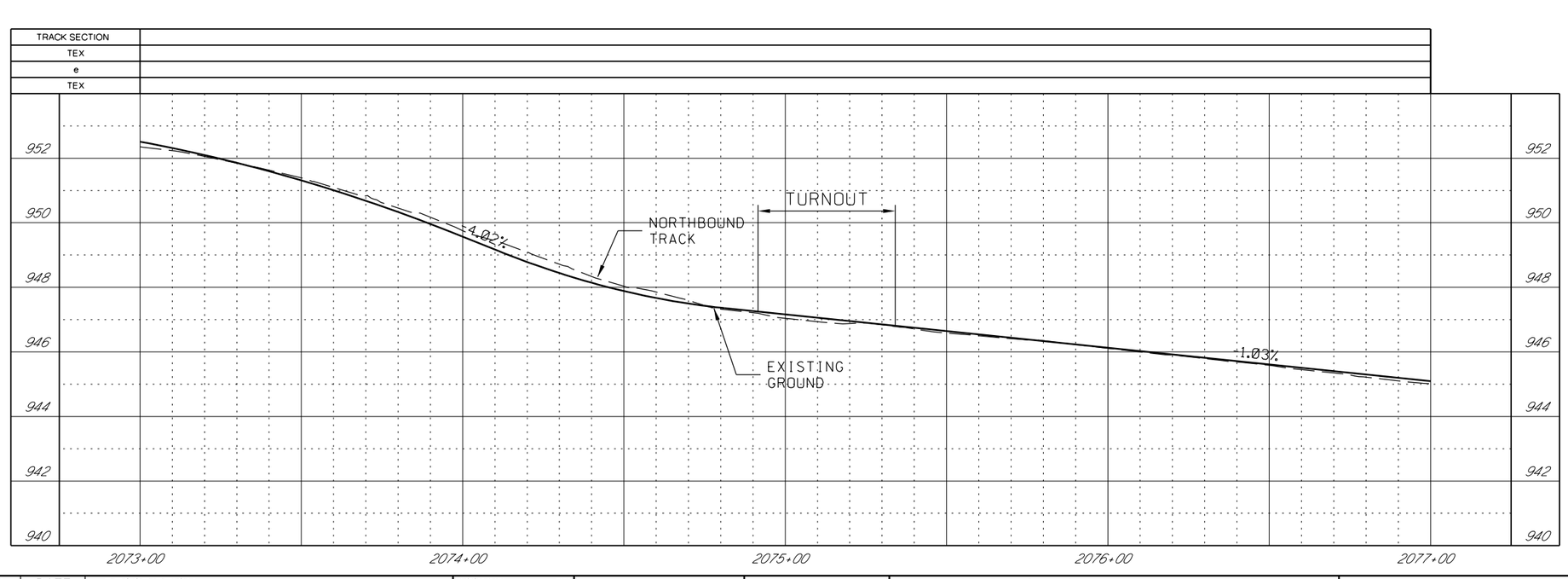
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
WESTPORT ROAD
SB STA 1073+00 TO STA 1077+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K120.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K120
SHEET NO.:	72

CONSTRUCTION NOTES



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:30 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

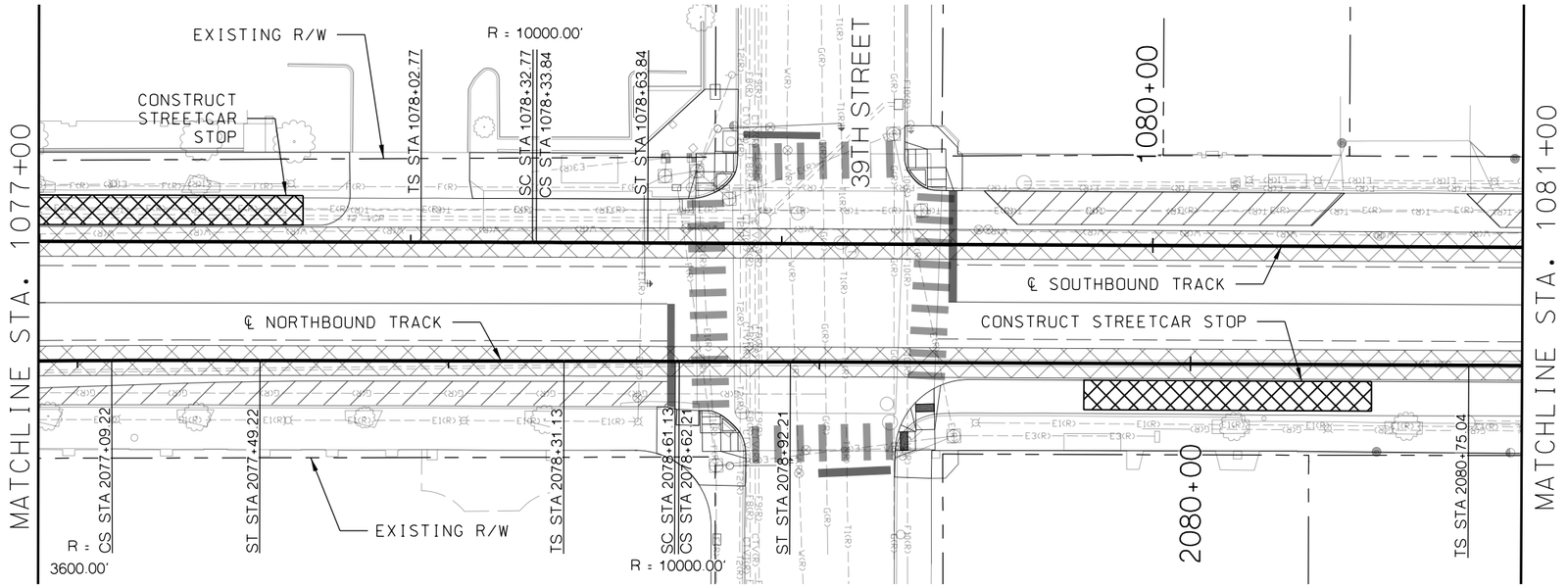
NOT FOR CONSTRUCTION

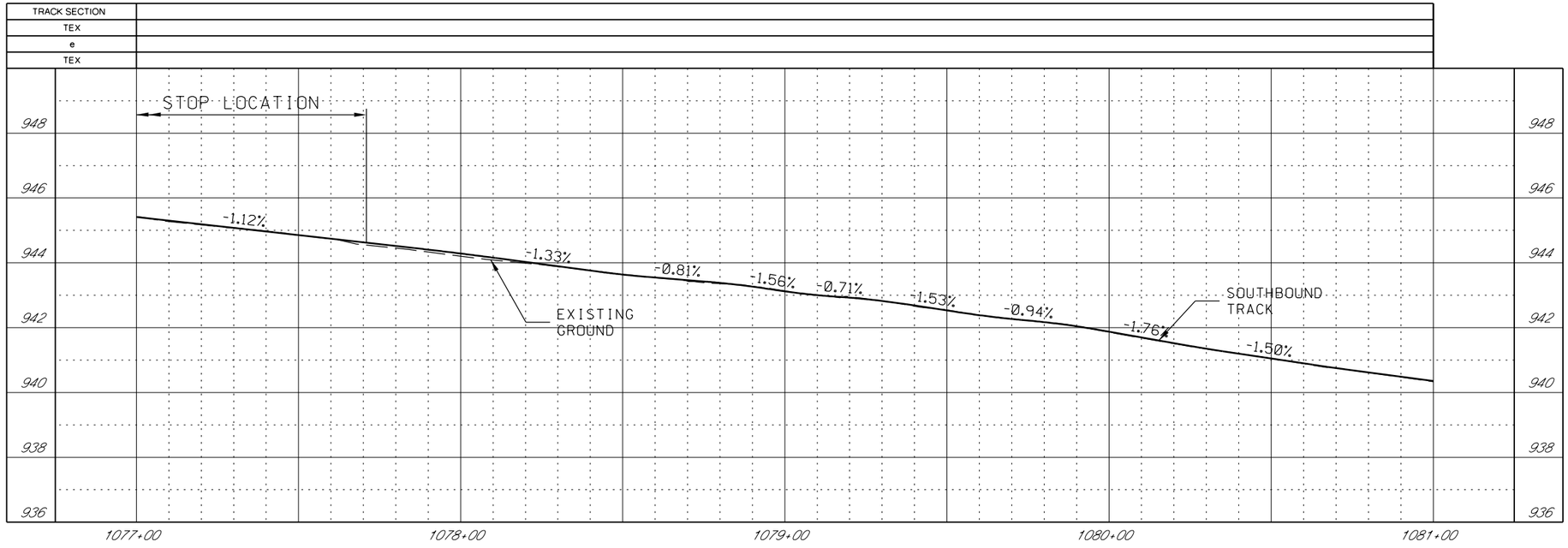
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
WESTPORT ROAD
NB STA 2073+00 TO STA 2077+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K120A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K120A
SHEET NO.:	73

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:13:57 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

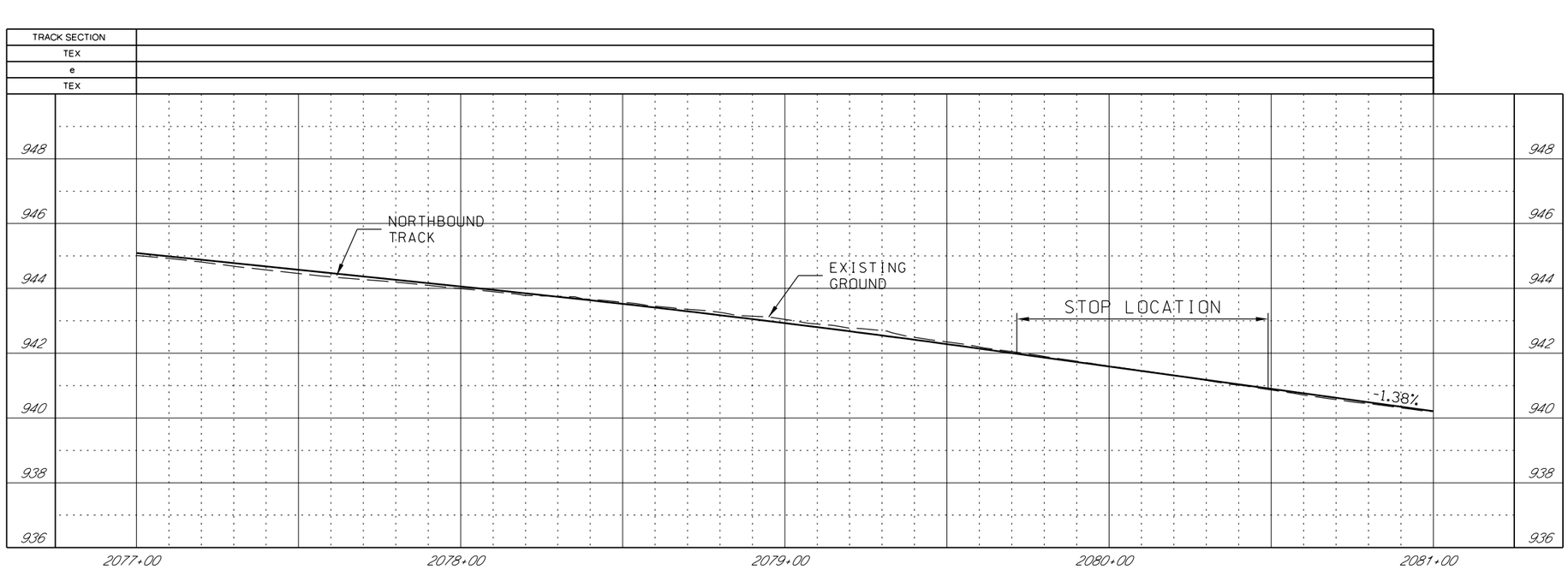
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
39TH STREET
SB STA 1077+00 TO STA 1081+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K121.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K121
SHEET NO.:	74



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:02 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

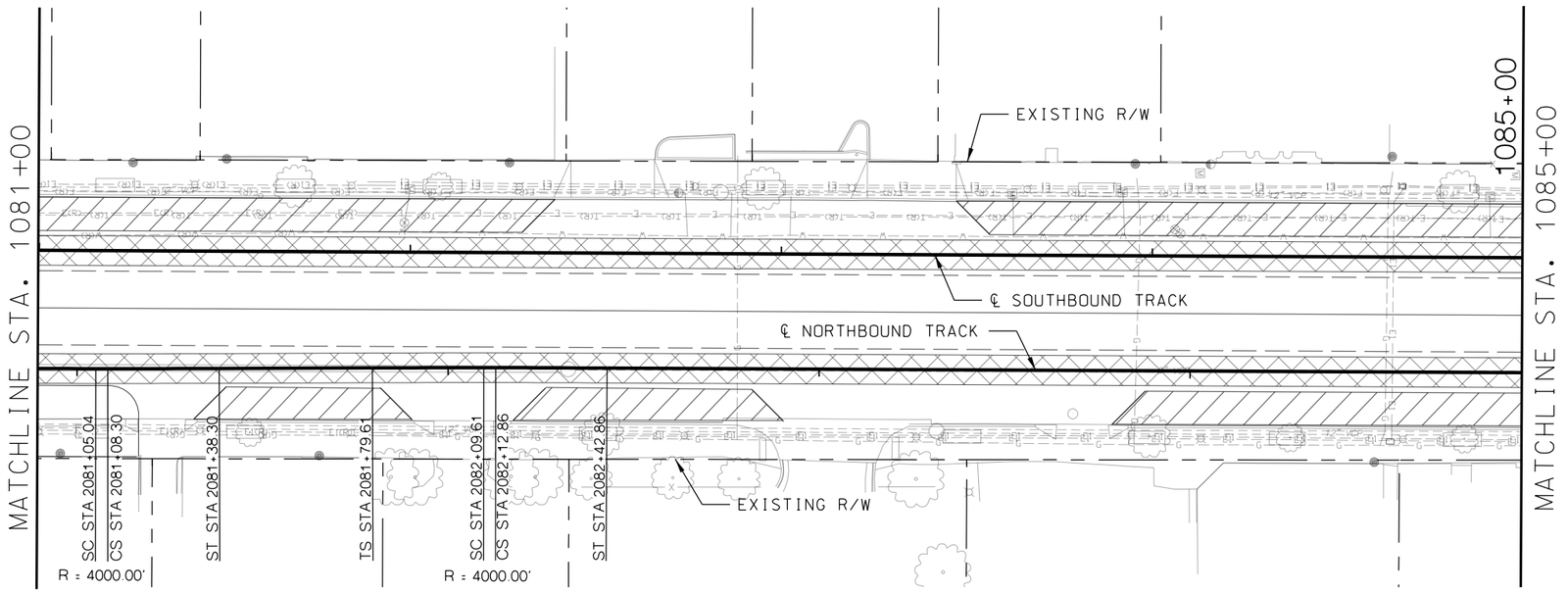
NOT FOR CONSTRUCTION

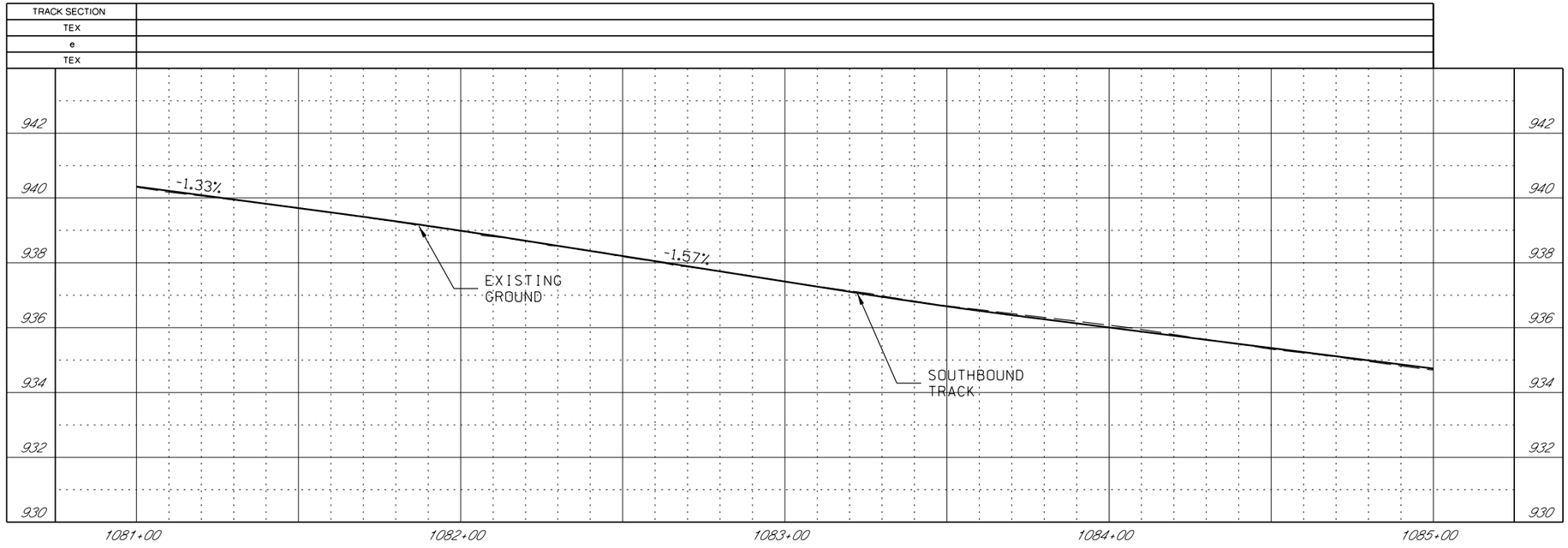
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
39TH STREET
NB STA 2077+00 TO STA 2081+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K121A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K121A
SHEET NO.:	75

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:09 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

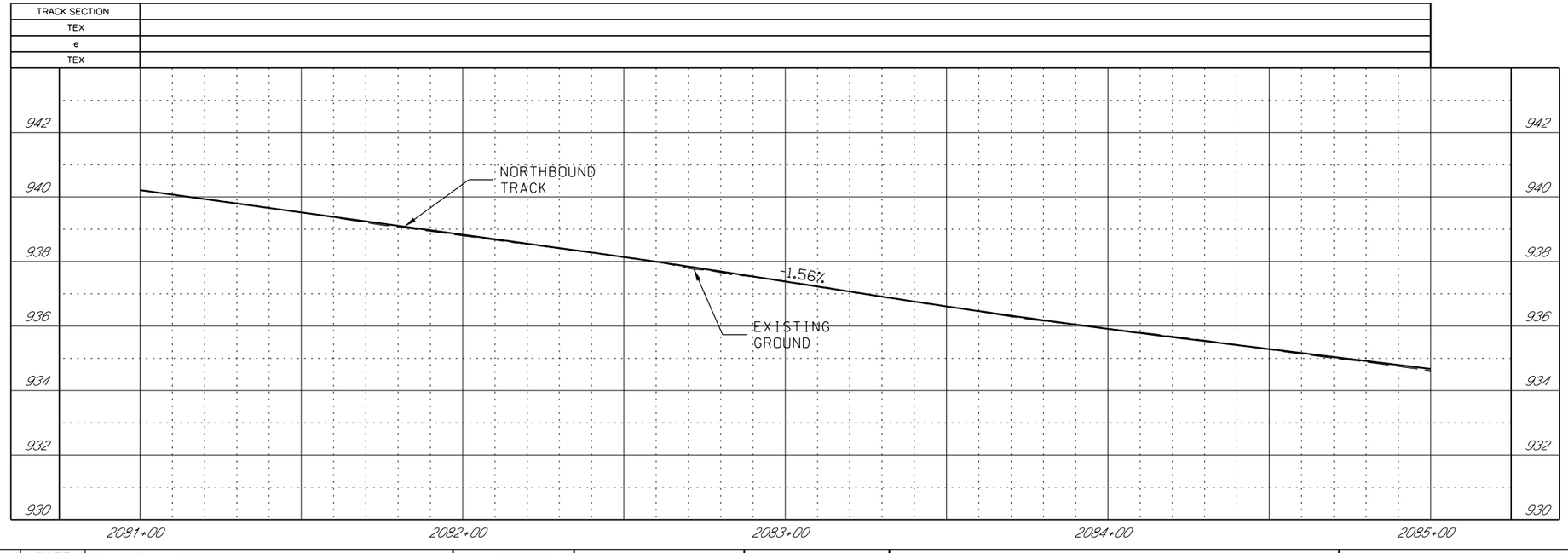
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1081+00 TO STA 1085+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K122.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K122
SHEET NO.:	76

CONSTRUCTION NOTES



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:14 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

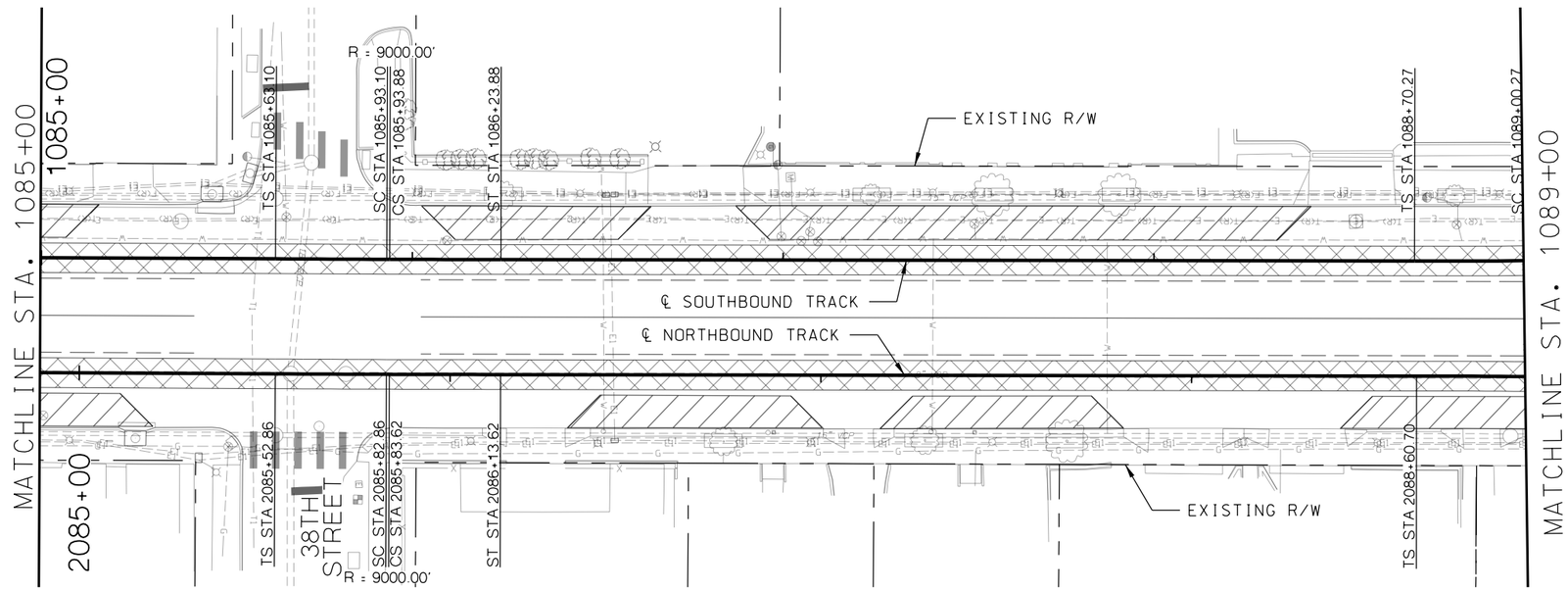
NOT FOR CONSTRUCTION

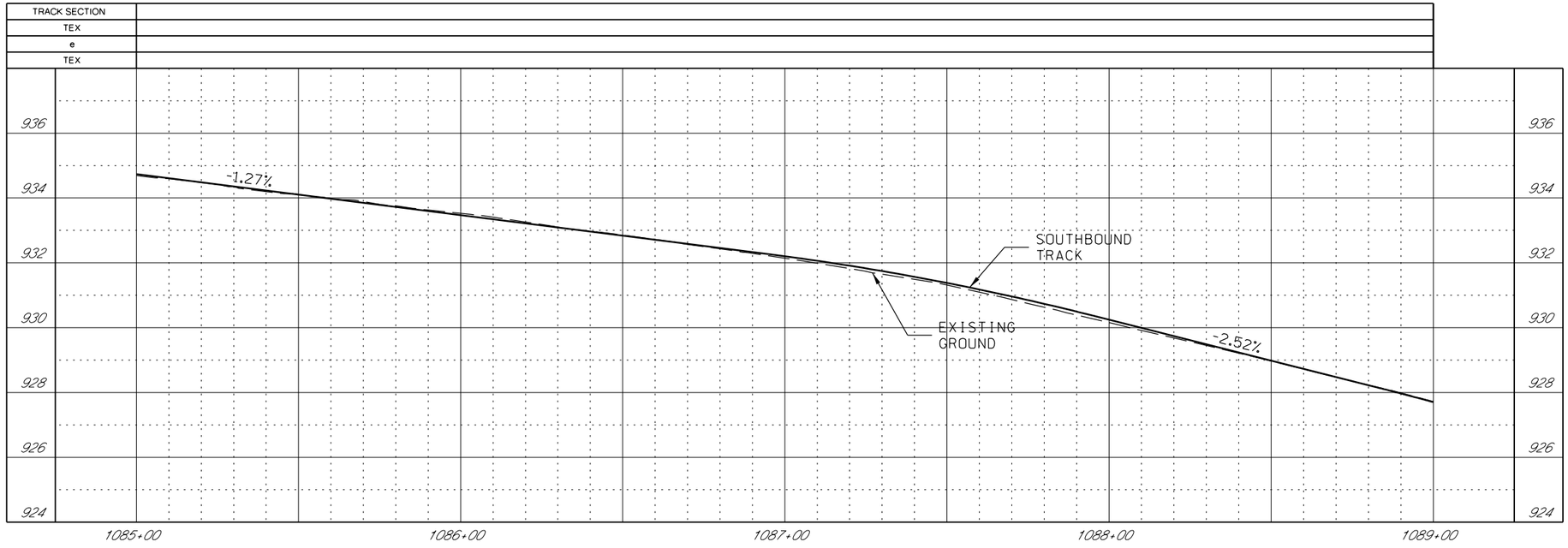
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2081+00 TO STA 2085+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K122A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K122A
SHEET NO.:	77

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

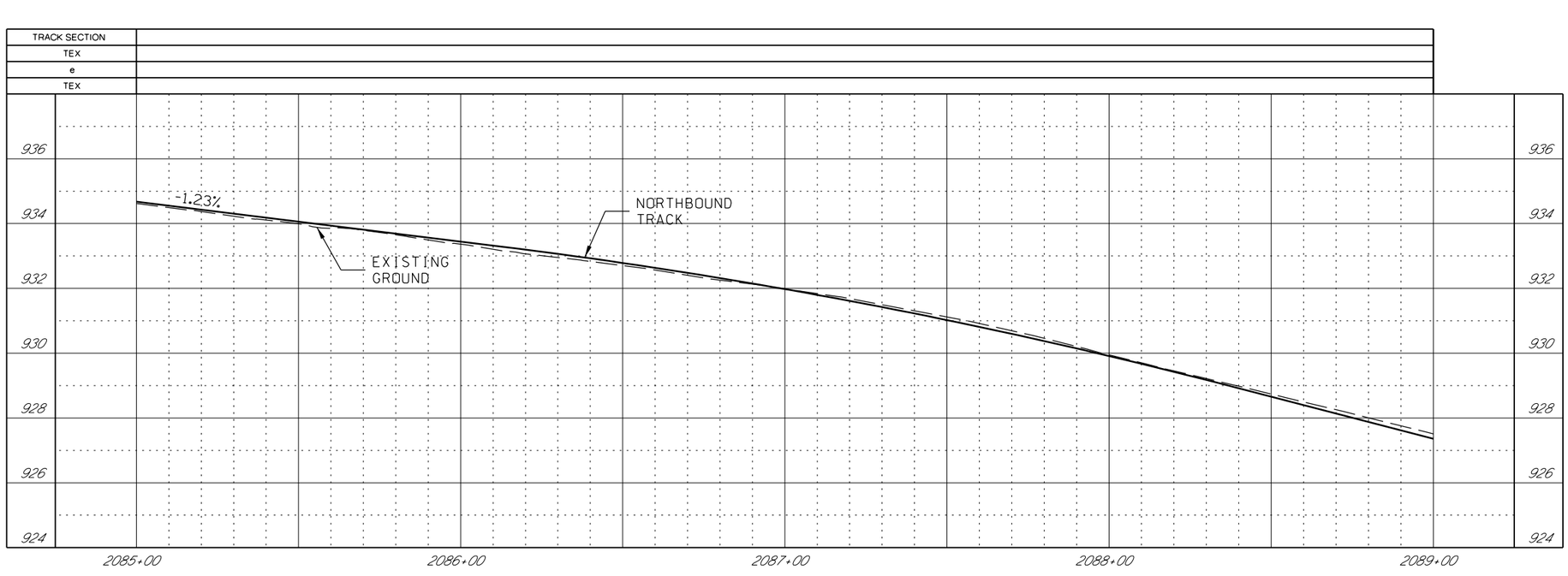
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
38TH STREET
SB STA 1085+00 TO STA 1089+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K123.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K123
SHEET NO.:	78



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
38TH STREET
NB STA 2085+00 TO STA 2089+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K123A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K123A
SHEET NO.:	79

SCALE
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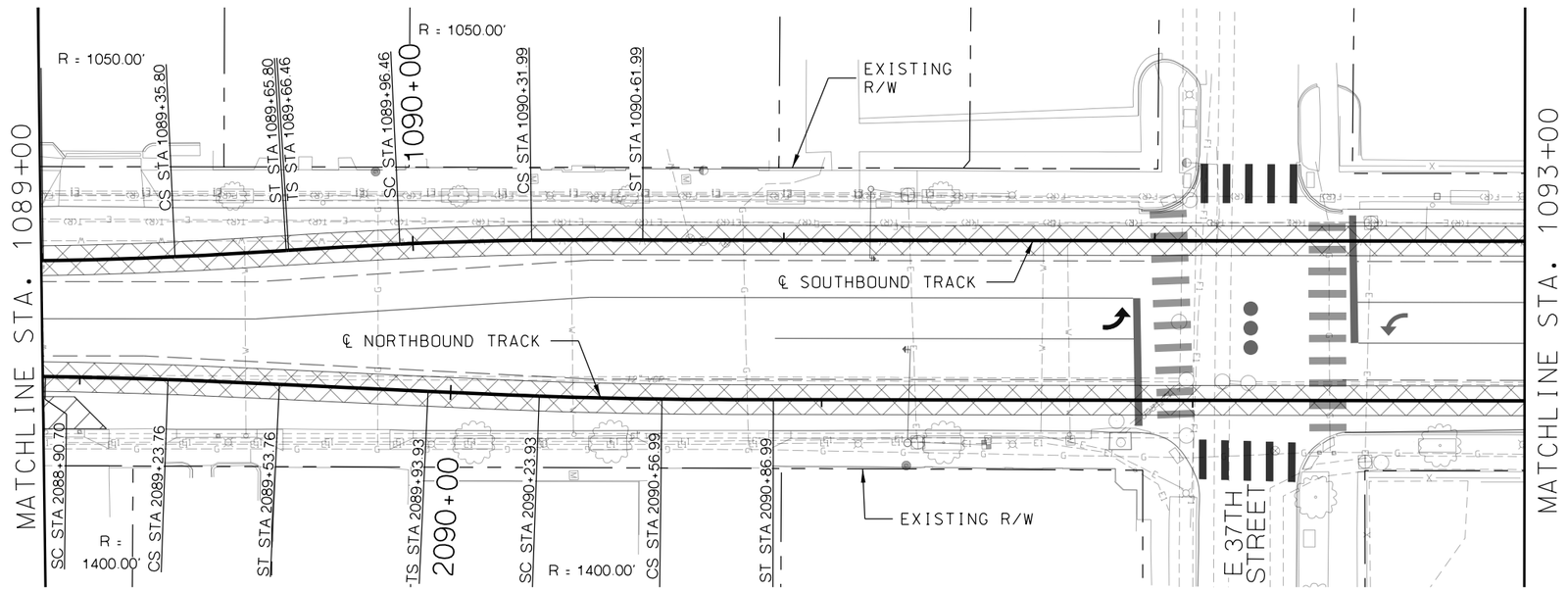
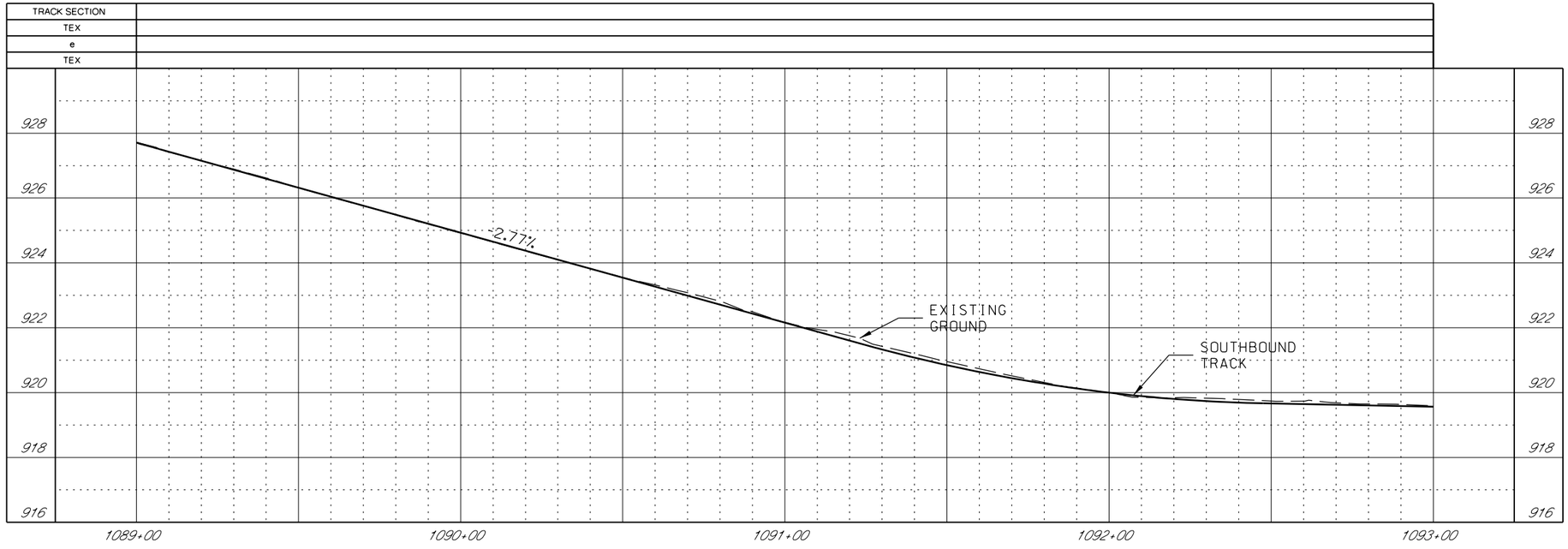




GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:32 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

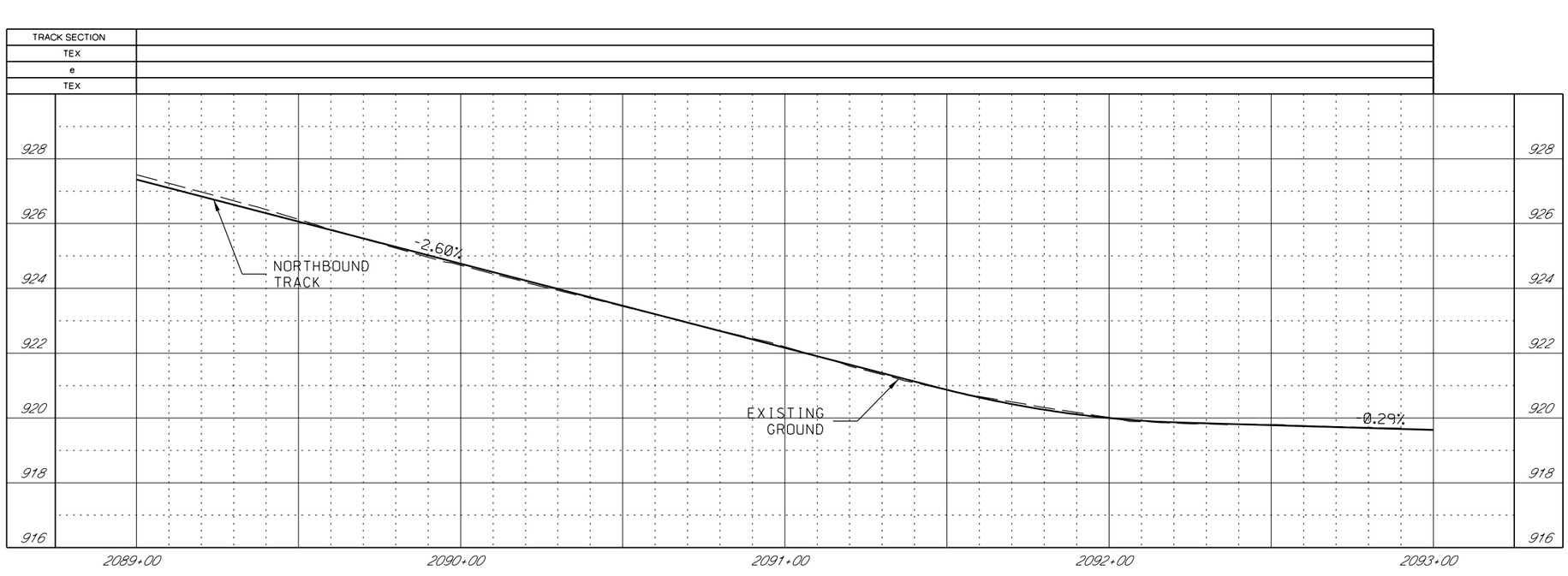
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
37TH STREET
SB STA 1089+00 TO STA 1093+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K124.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K124
SHEET NO.:	80



GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:37 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

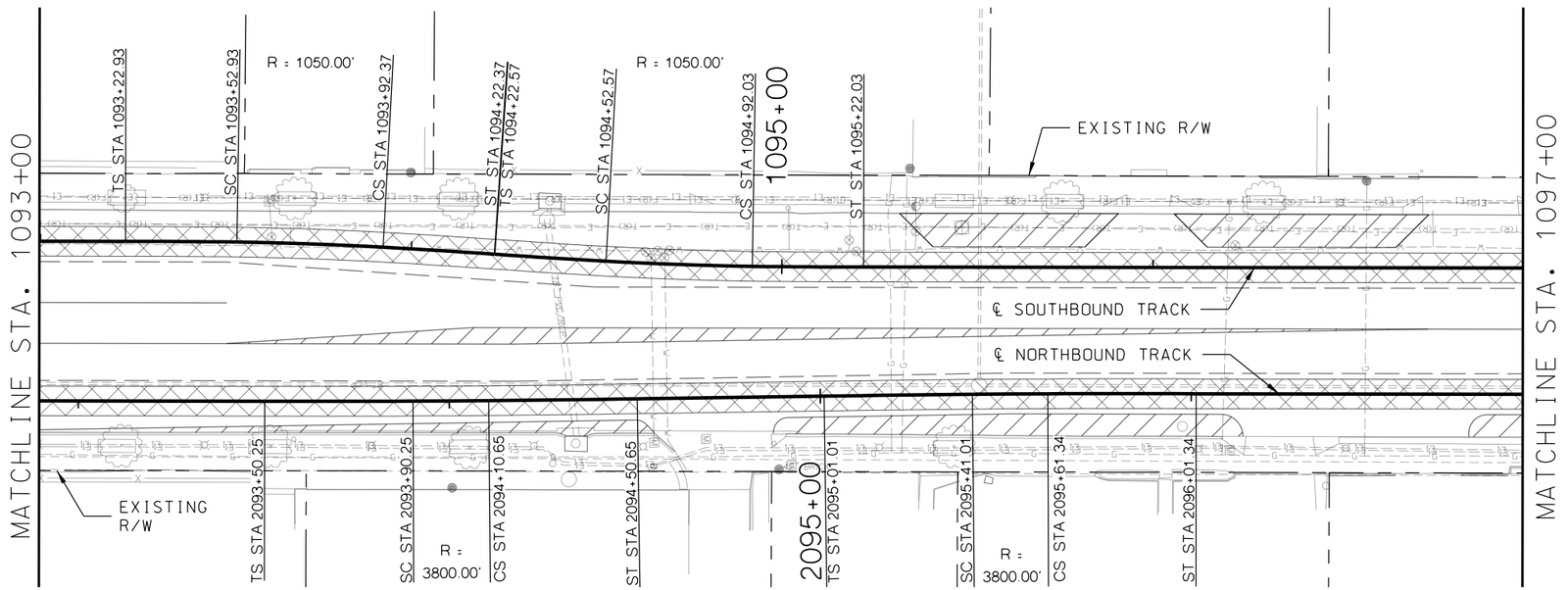
NOT FOR CONSTRUCTION

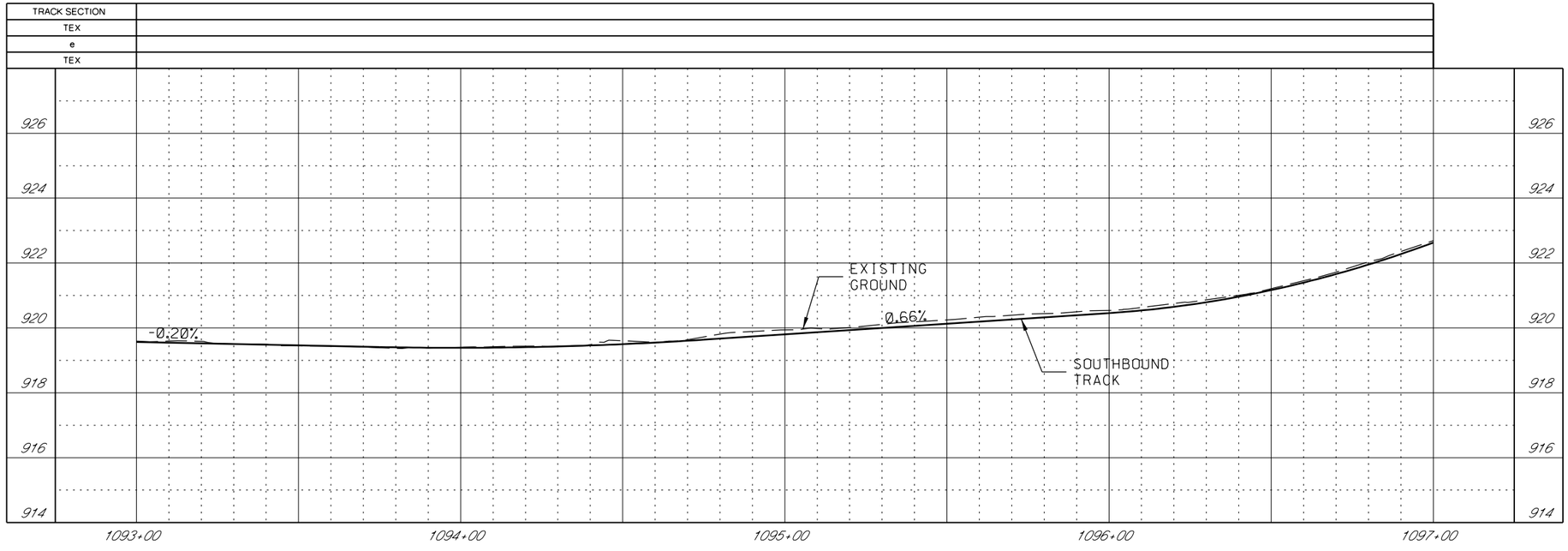
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
37TH STREET
NB STA 2089+00 TO STA 2093+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K124A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K124A
SHEET NO.:	81

SCALE
0 20 40 60





GENERAL NOTES

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3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:44 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

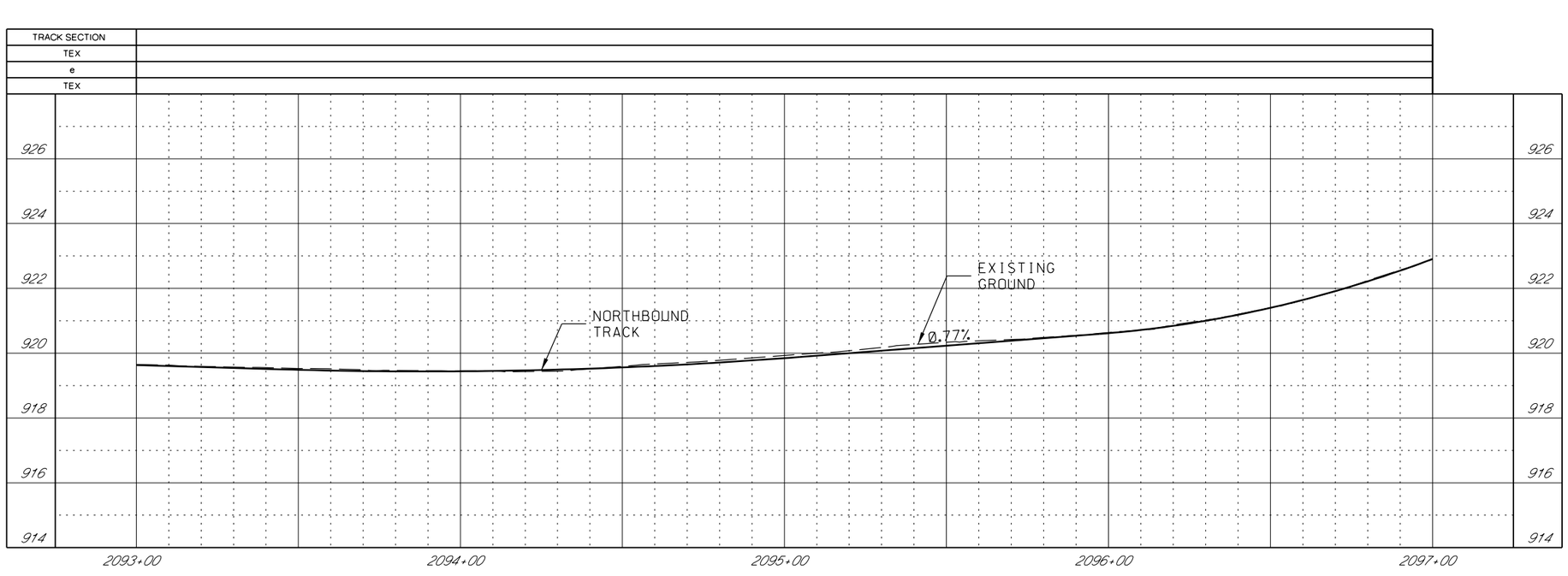
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
36TH STREET
SB STA 1093+00 TO STA 1097+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K125.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K125
SHEET NO.:	82



GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:49 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

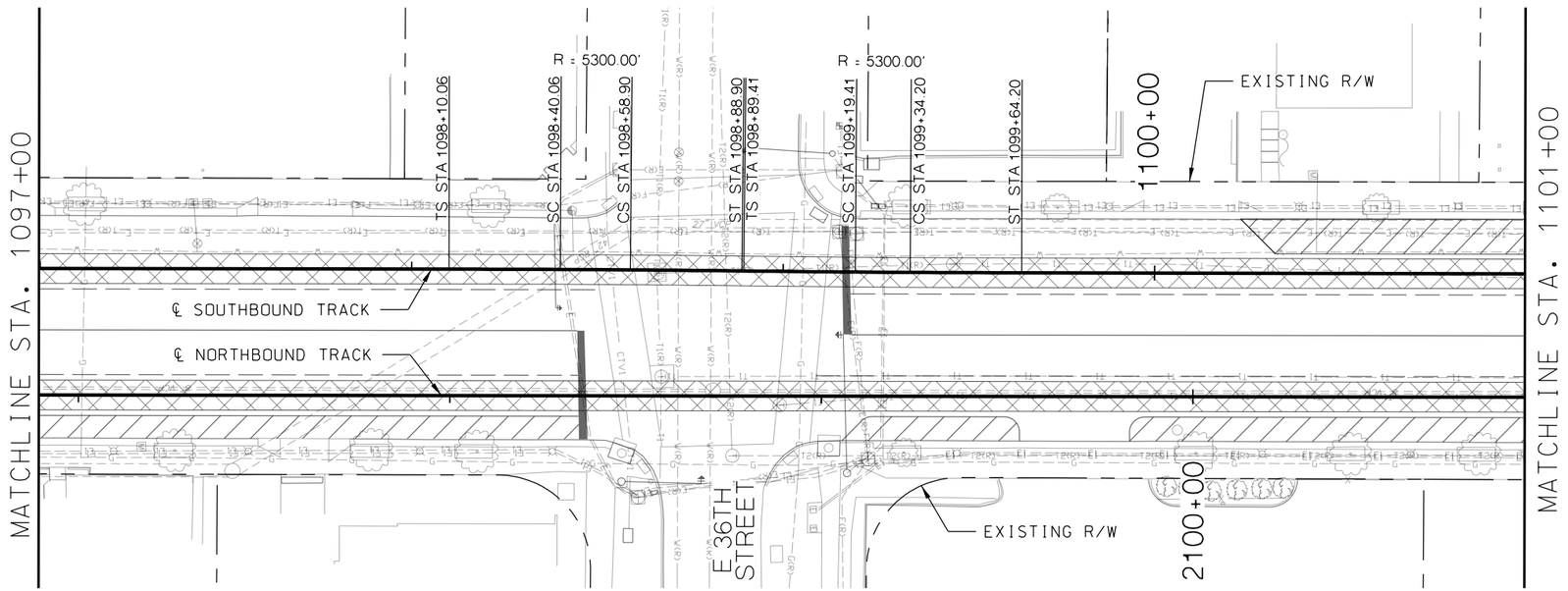
KANSAS CITY STREETCAR MAIN STREET EXTENSION

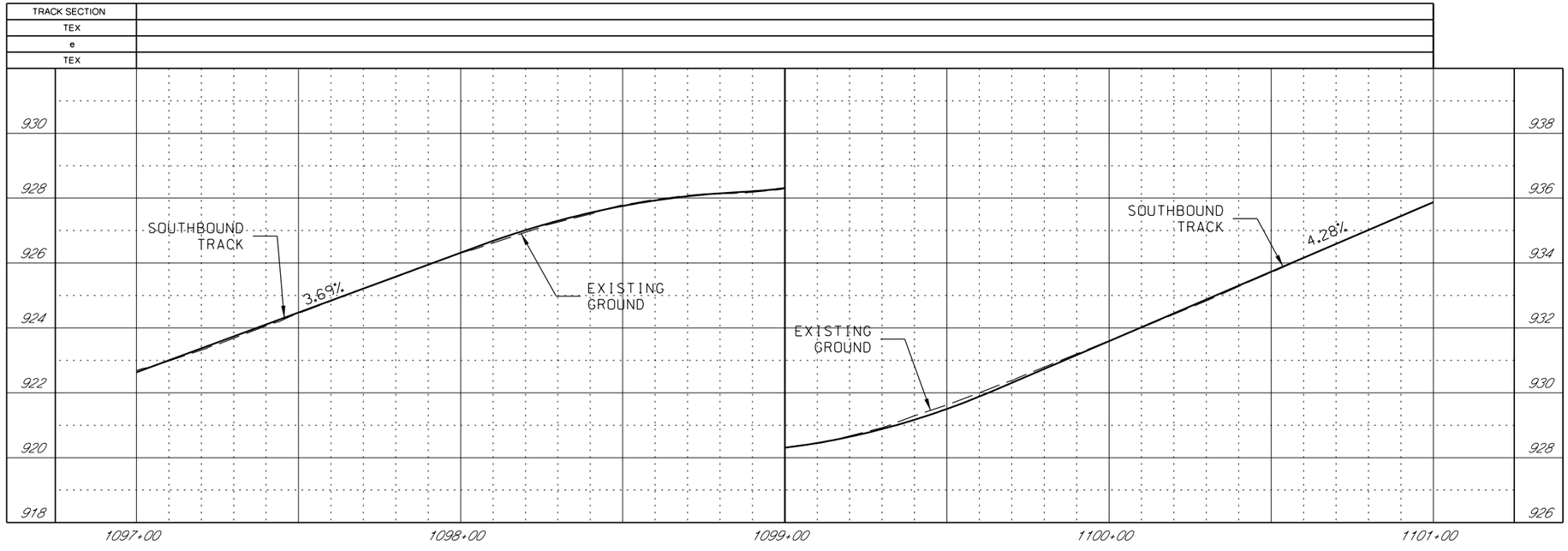
NORTHBOUND TRACK
PROFILE
36TH STREET
NB STA 2093+00 TO STA 2097+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K125A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K125A
SHEET NO.:	83

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

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3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:14:56 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

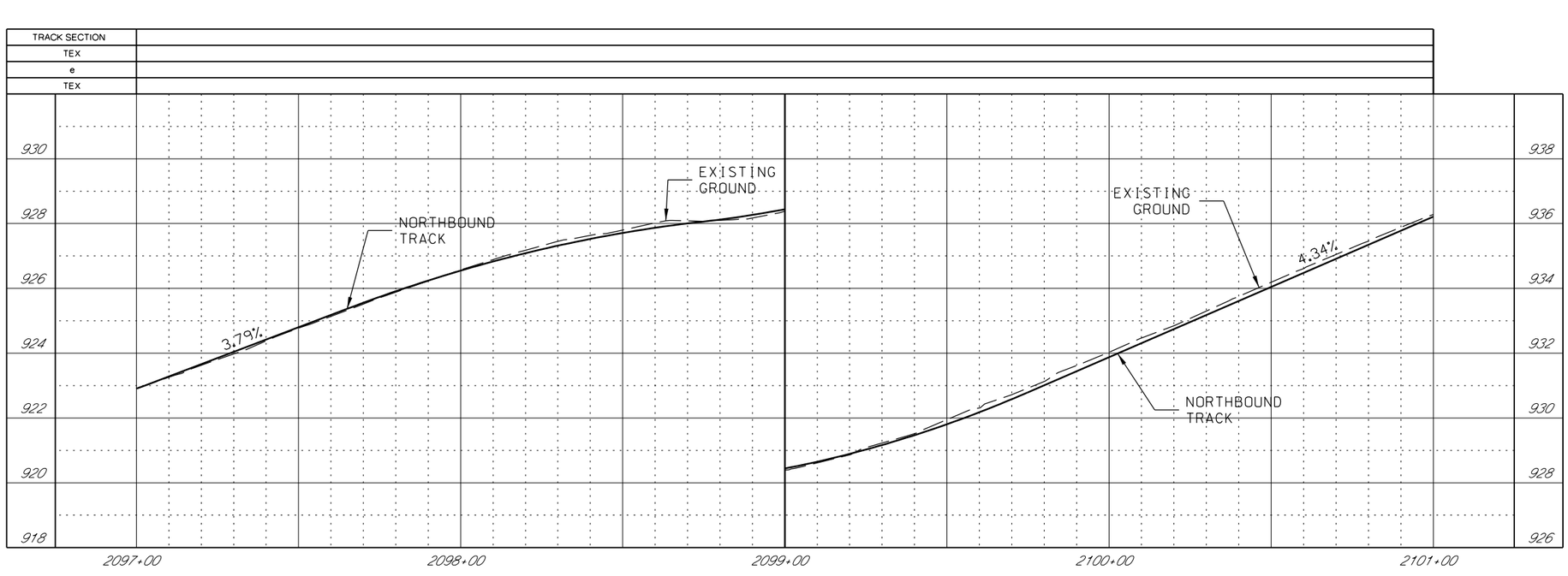
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
36TH STREET
SB STA 1097+00 TO STA 1101+00

SCALE FOR 22"x34": H: 1"=20' V: 1"=2'
FILENAME: K126.dgn
CONTRACT NO.: ##########
VOLUME: 1
DRAWING NO.: K126
SHEET NO.: 84



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:01 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

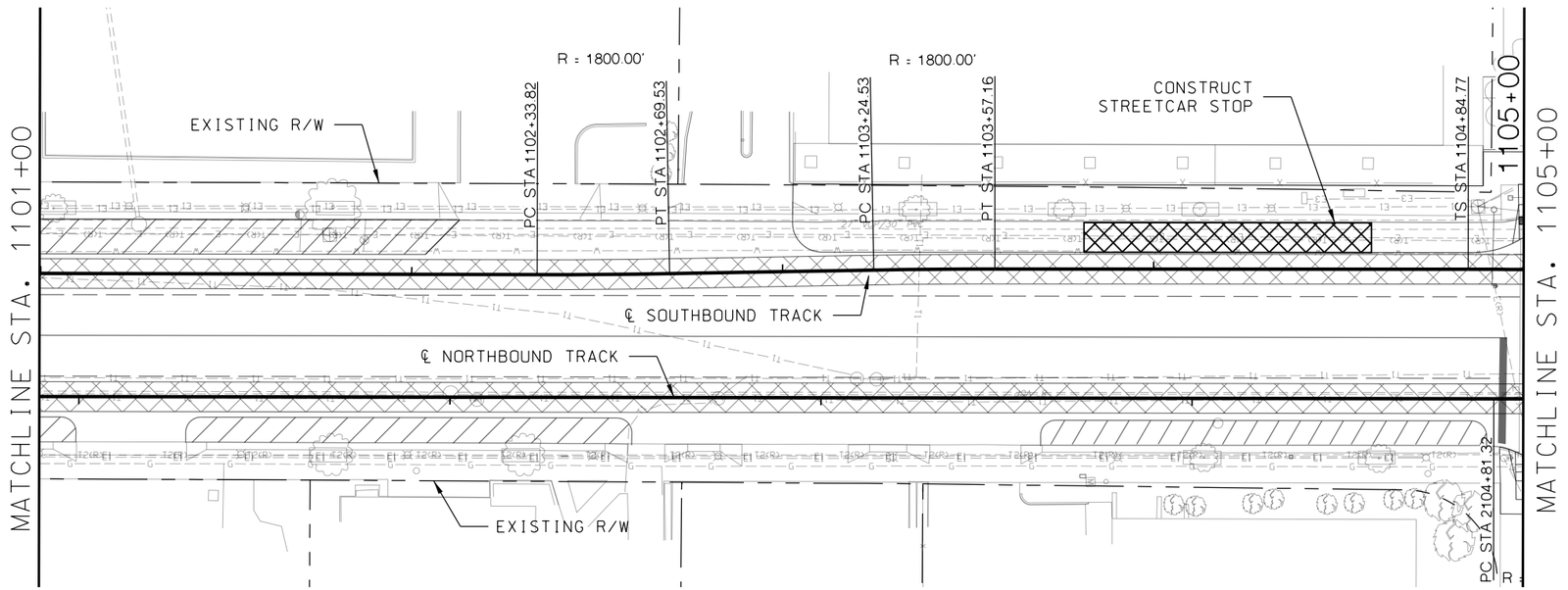
NOT FOR CONSTRUCTION

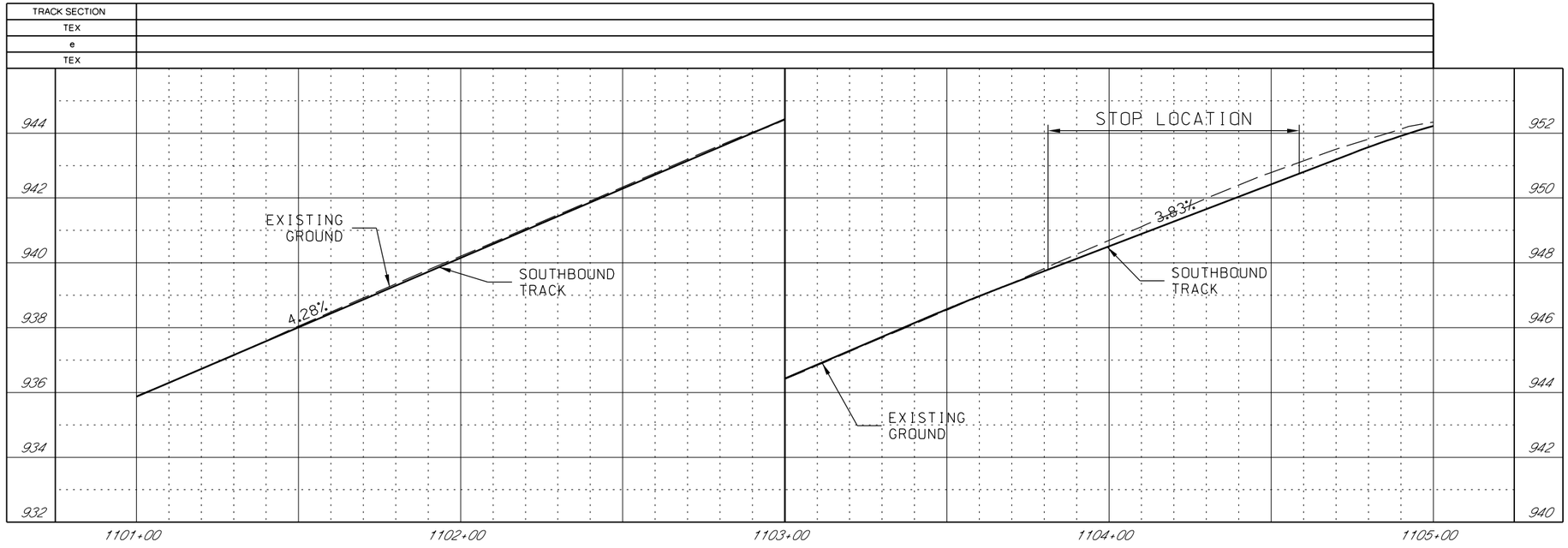
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
36TH STREET
NB STA 2097+00 TO STA 2101+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K126A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K126A
SHEET NO.:	85

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:07 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

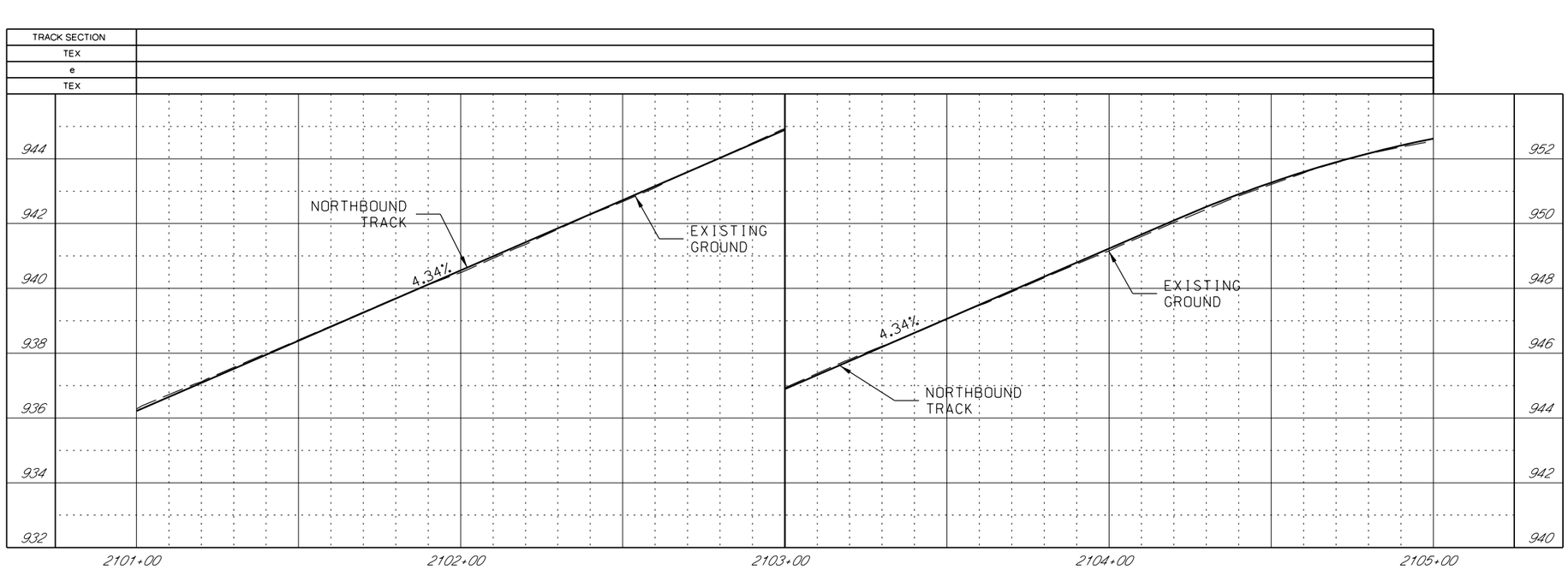
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1101+00 TO STA 1105+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K127.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K127
SHEET NO.:	86



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:13 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2101+00 TO STA 2105+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K127A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K127A
SHEET NO.:	87

CONSTRUCTION NOTES

SCALE
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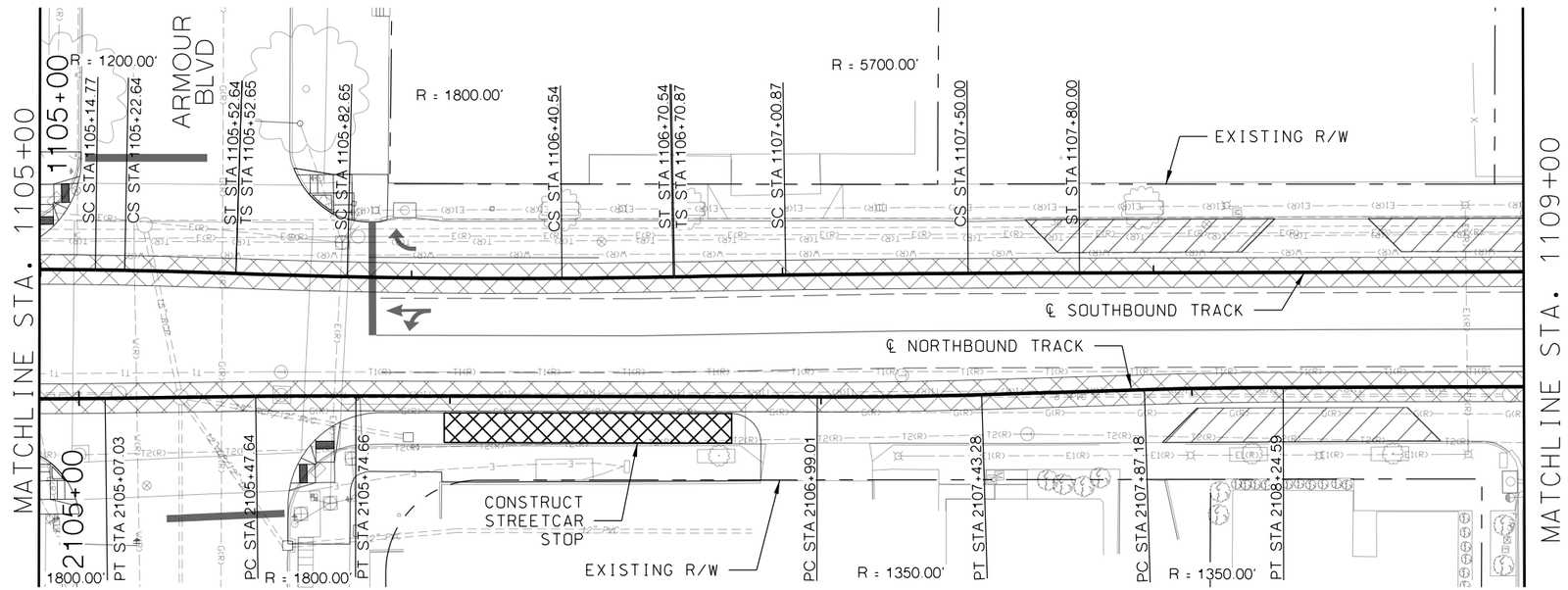

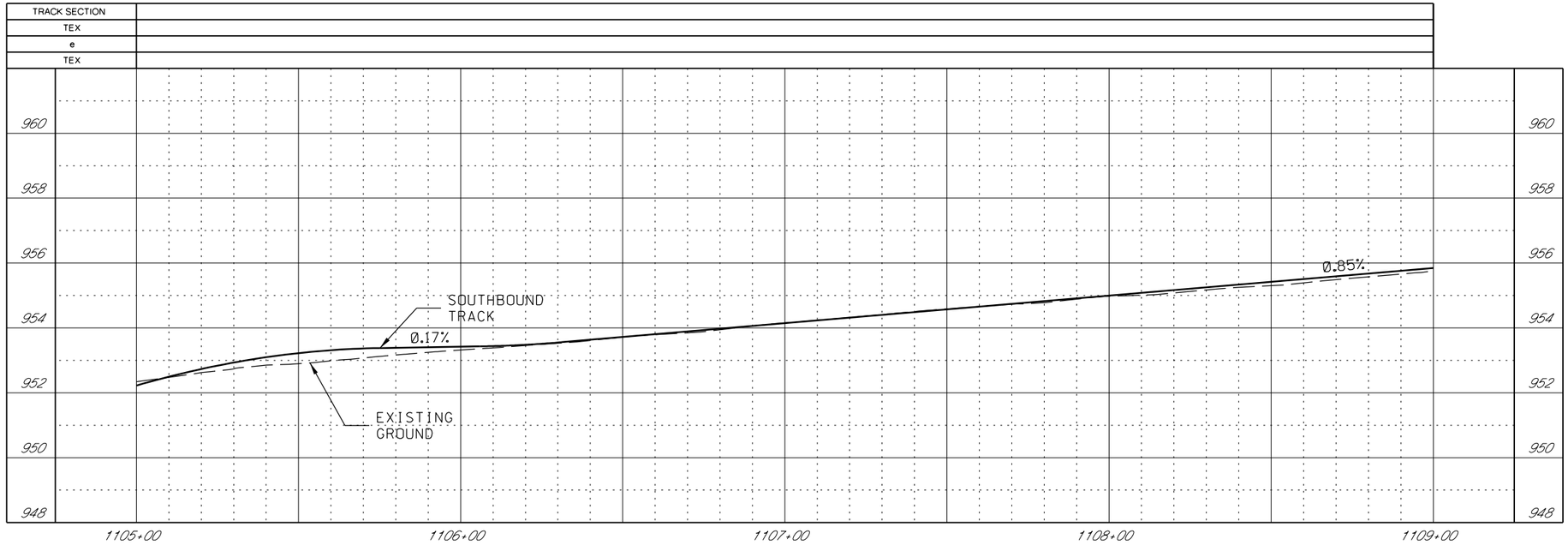

GENERAL NOTES

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3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:19 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

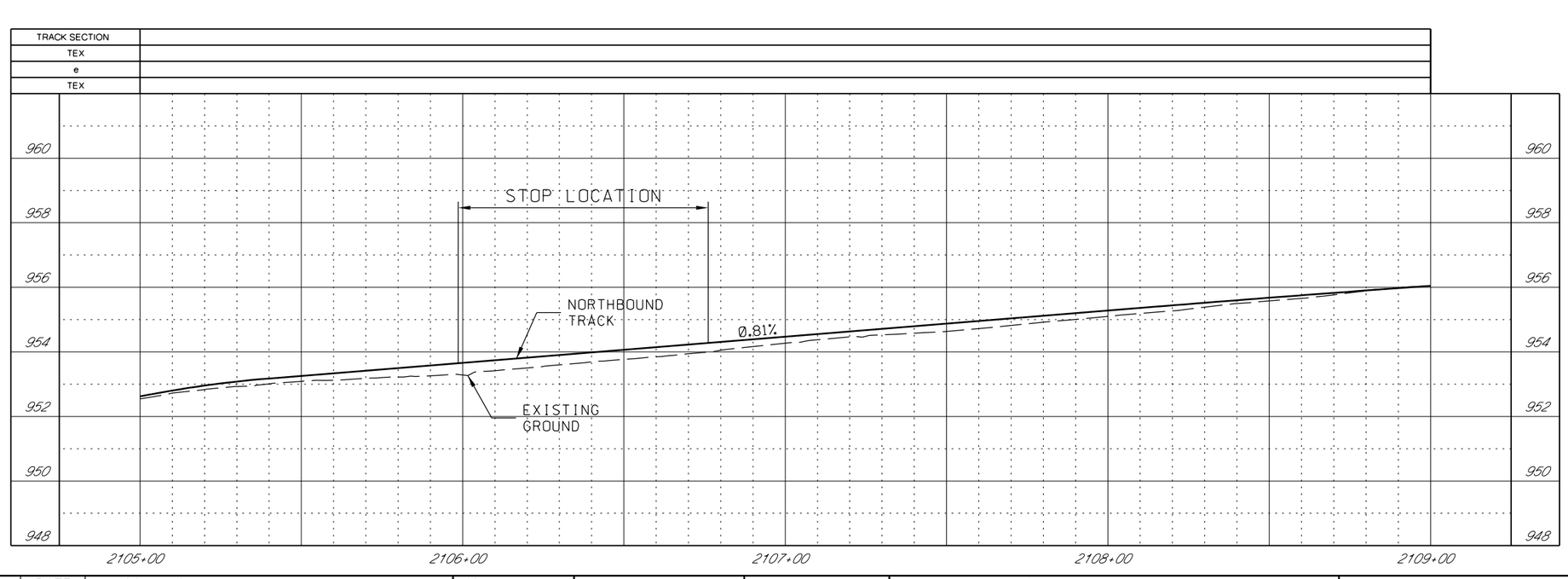
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
ARMOUR BOULEVARD
SB STA 1105+00 TO STA 1109+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K128.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K128
SHEET NO.:	88



GENERAL NOTES

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3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
ARMOUR BOULEVARD
NB STA 2105+00 TO STA 2109+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K128A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K128A
SHEET NO.:	89

CONSTRUCTION NOTES

SCALE
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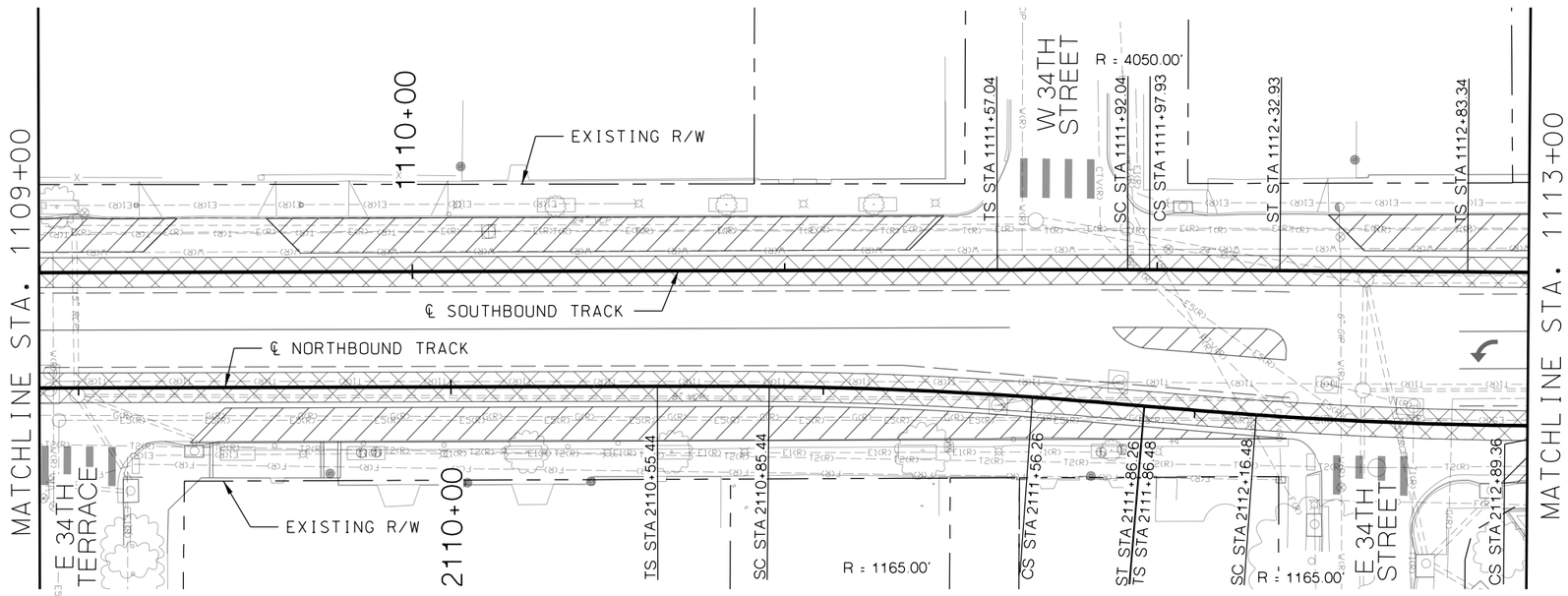

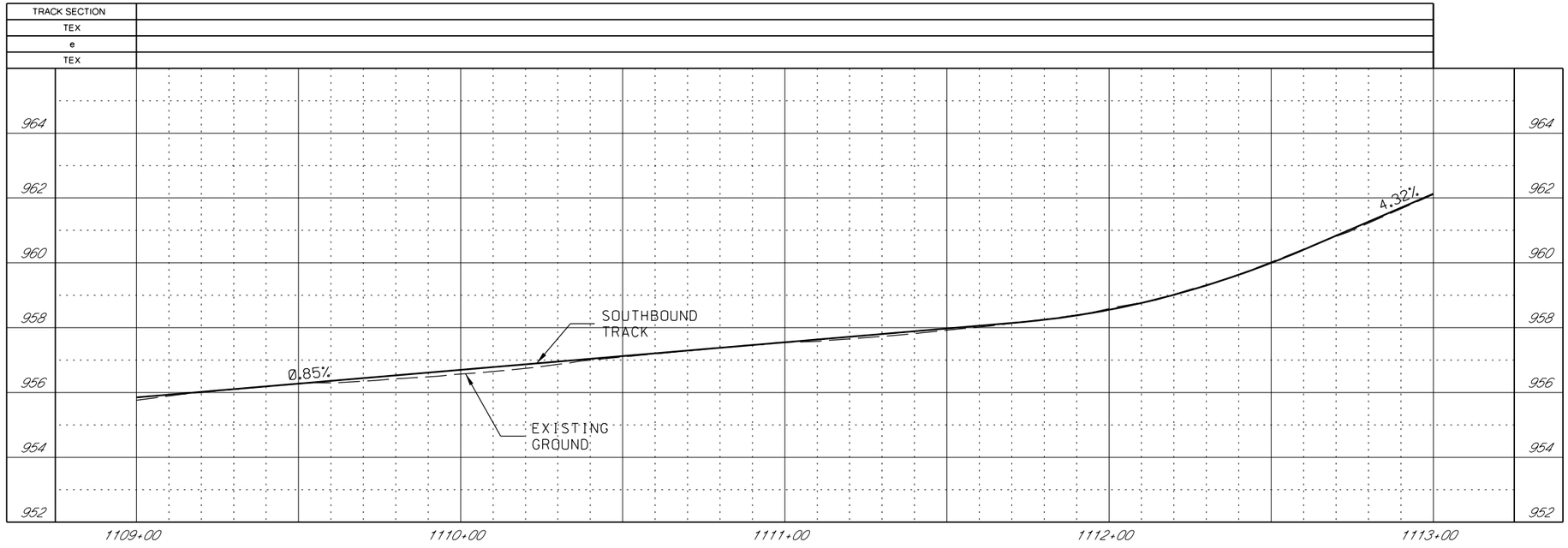

GENERAL NOTES

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4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:33 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

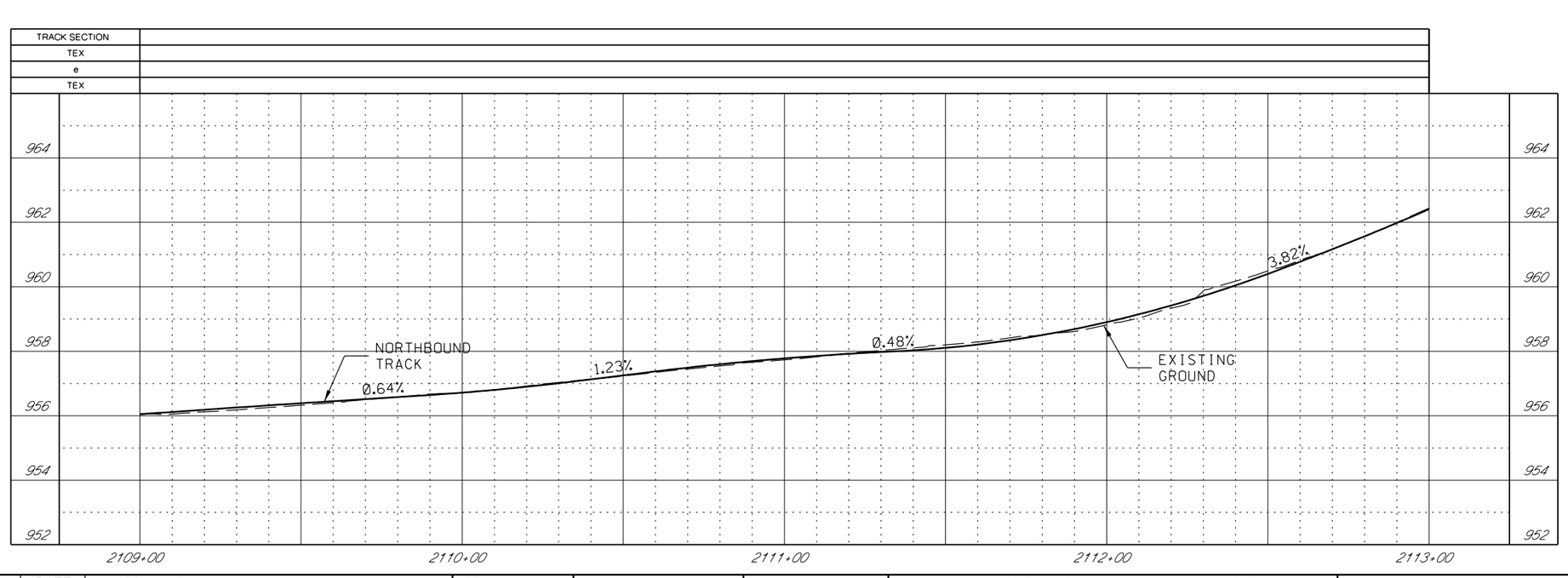
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
34TH WAY
SB STA 1109+00 TO STA 1113+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K129.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K129
SHEET NO.:	90



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:38 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

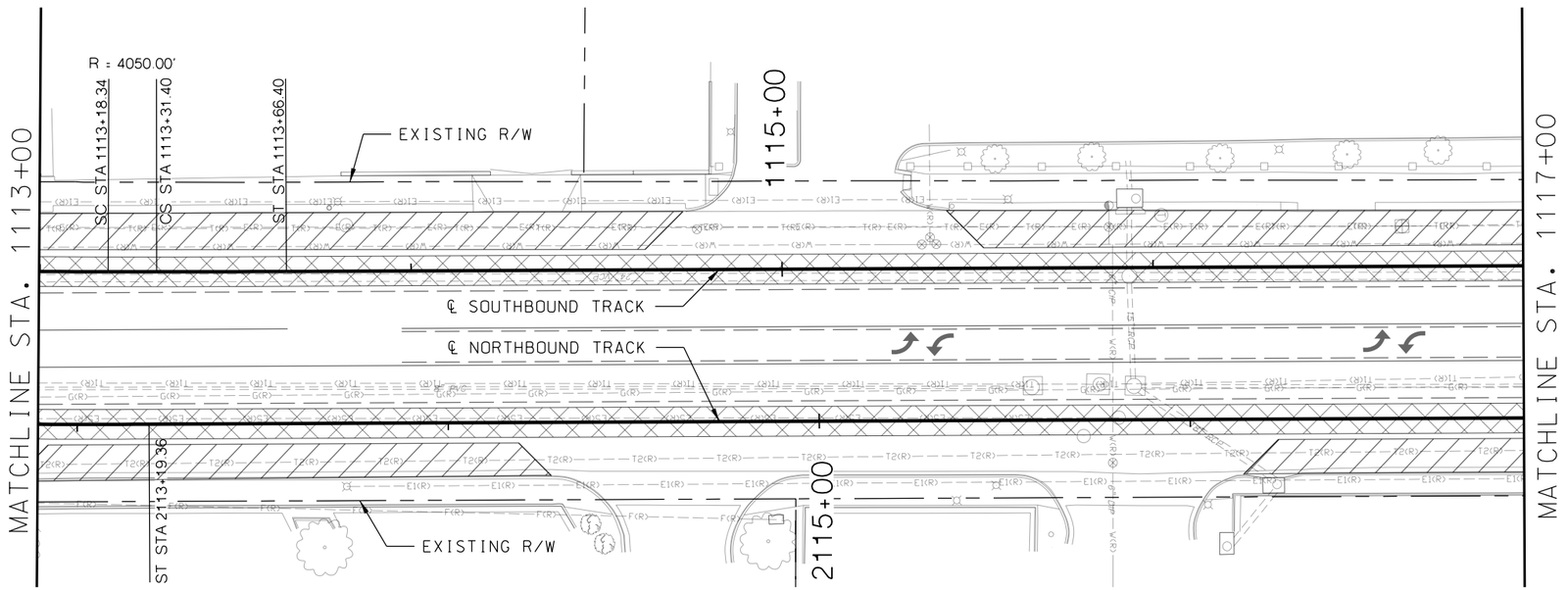
NOT FOR CONSTRUCTION

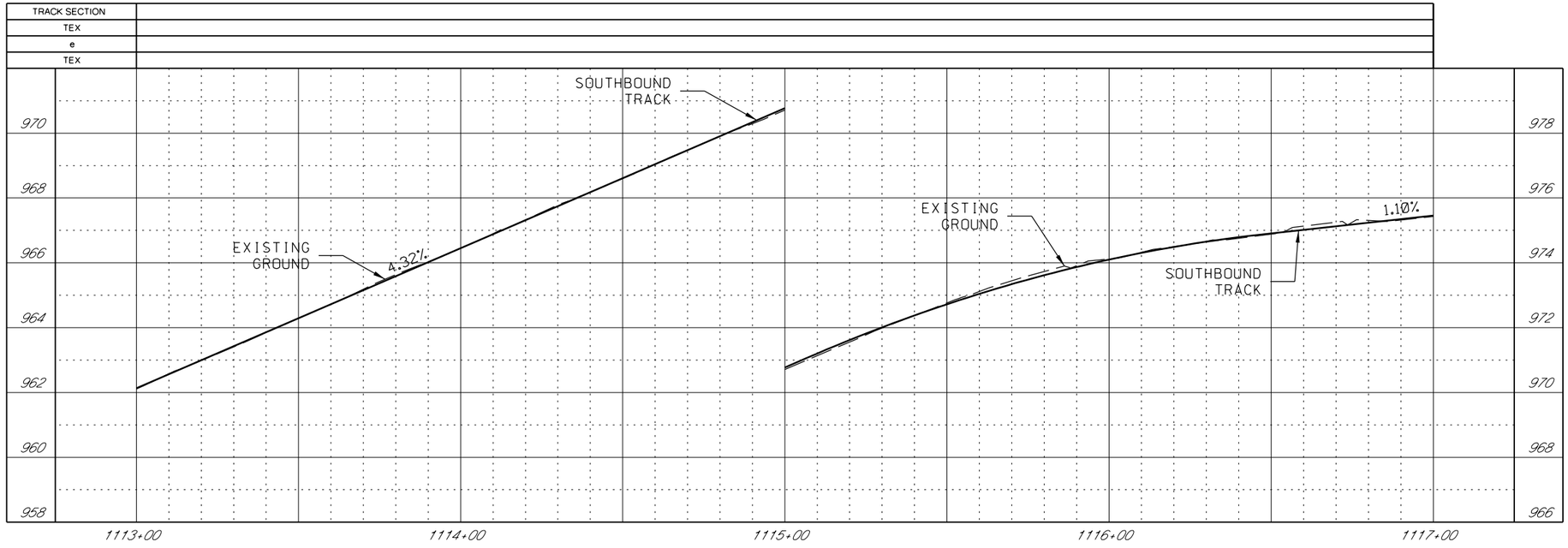
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
34TH WAY
NB STA 2109+00 TO STA 2113+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K129A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K129A
SHEET NO.:	91

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:46 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

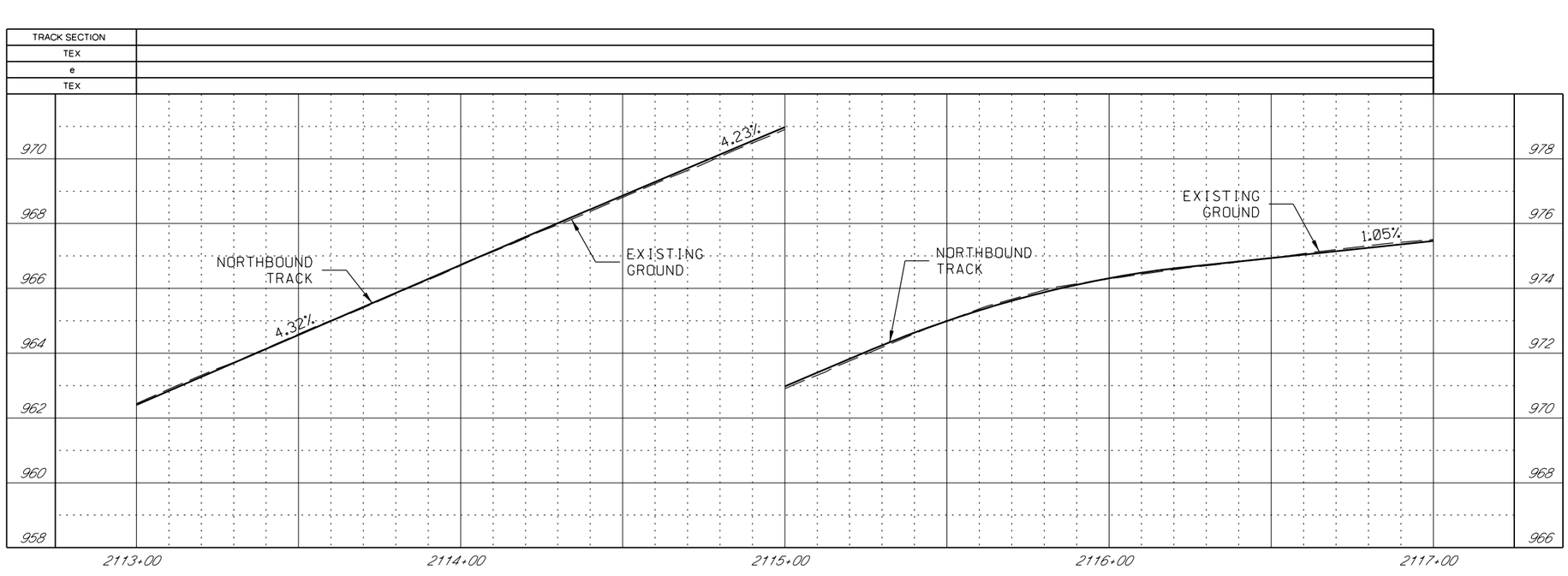
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1113+00 TO STA 1117+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K130.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K130
SHEET NO.:	92



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:50 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

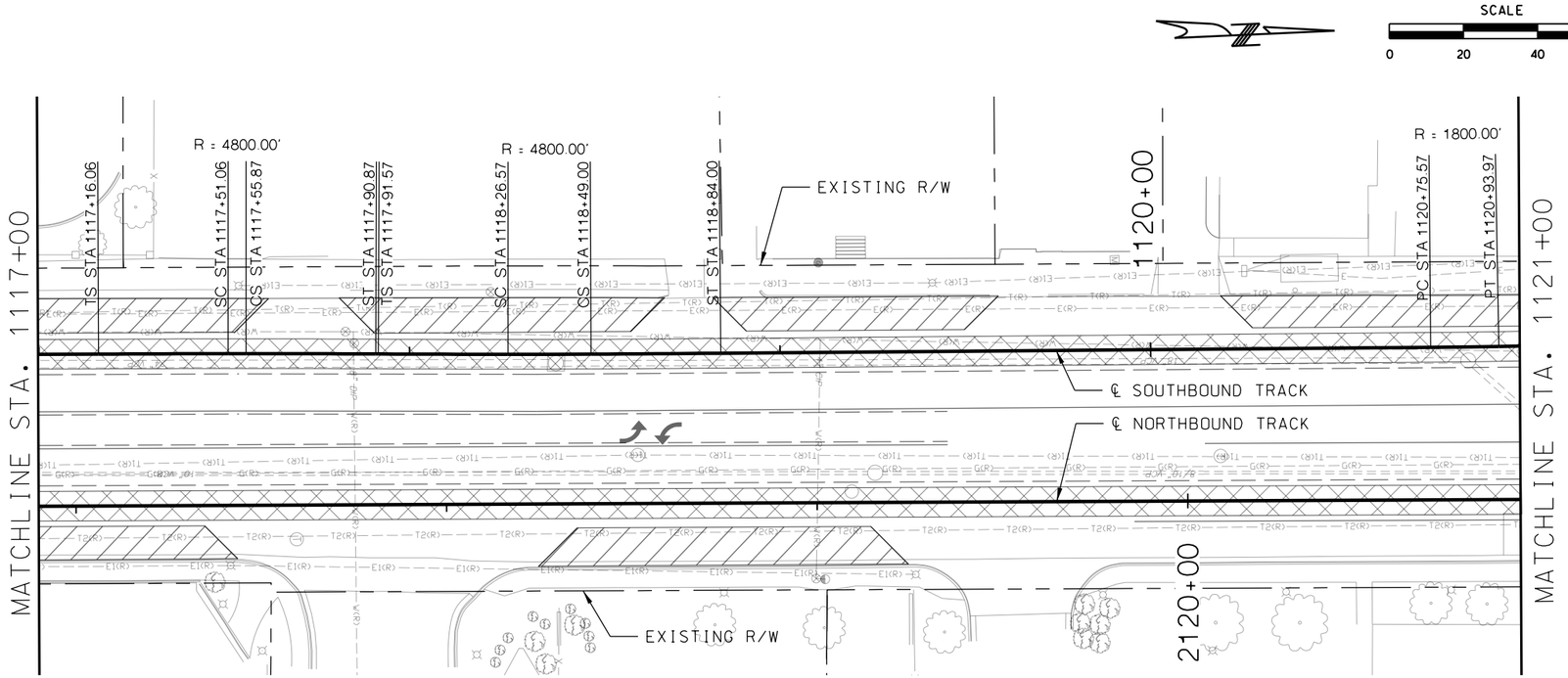
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

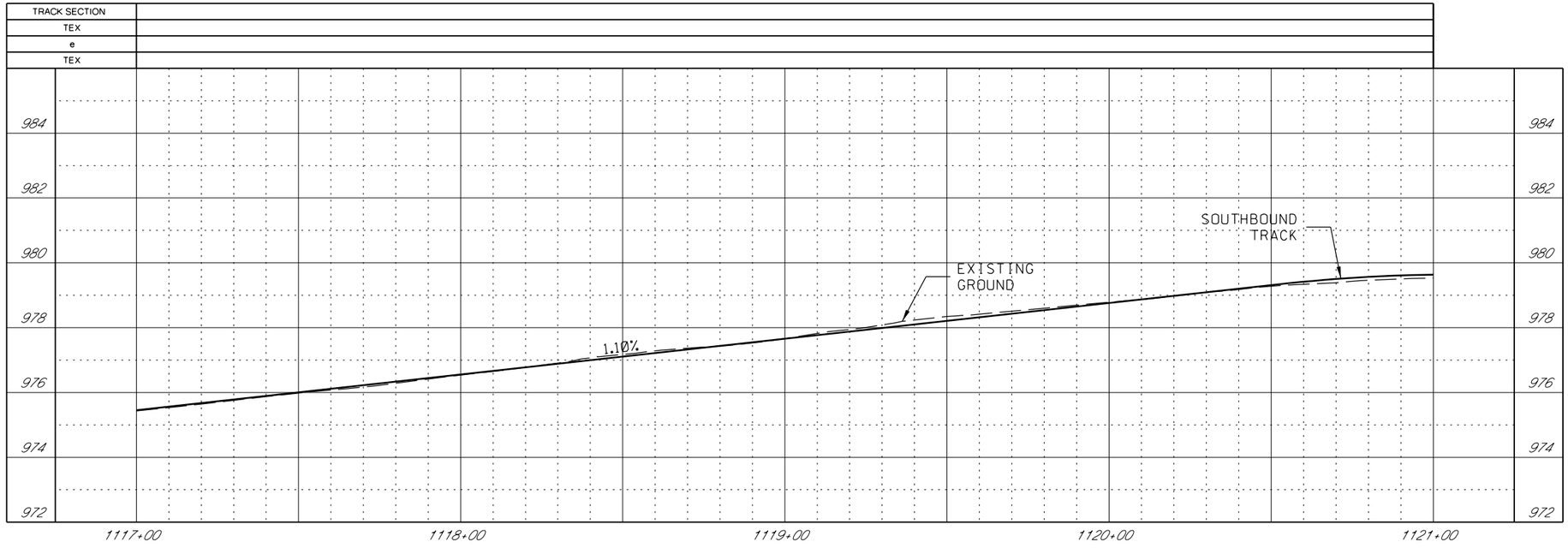
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2113+00 TO STA 2117+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K130A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K130A
SHEET NO.:	93





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:15:58 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

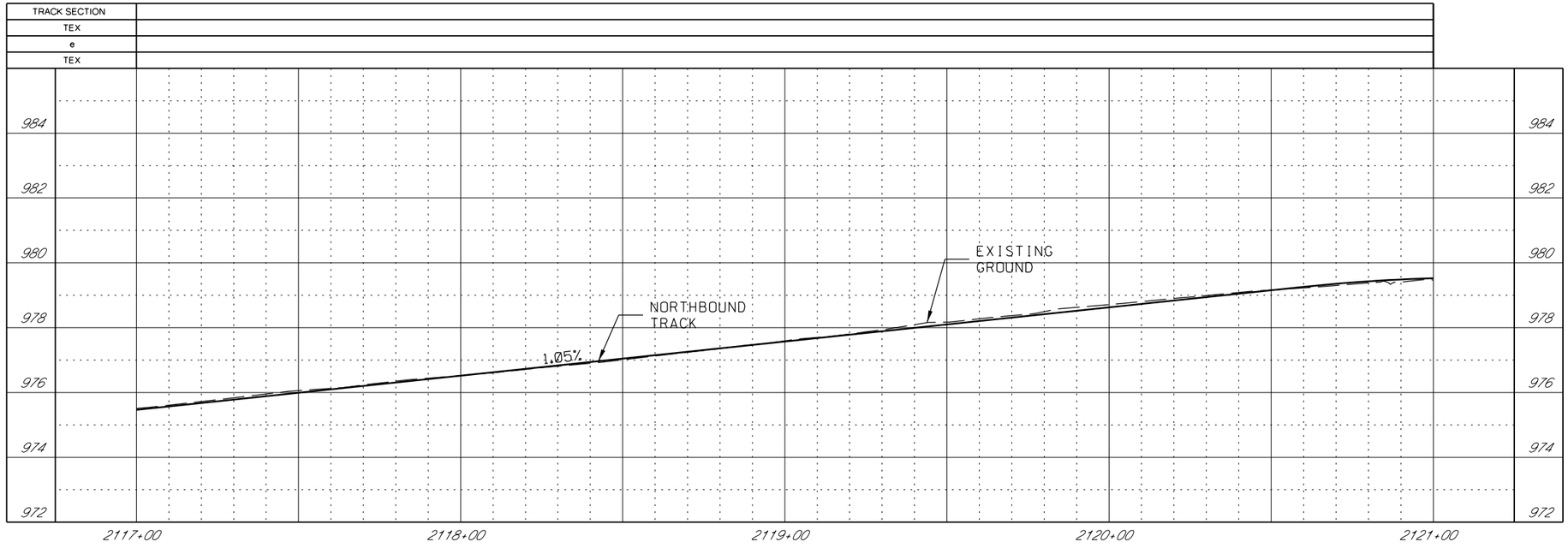
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1117+00 TO STA 1121+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K131.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K131
SHEET NO.:	94

CONSTRUCTION NOTES



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:03 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2117+00 TO STA 2121+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K131A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K131A
SHEET NO.:	95

CONSTRUCTION NOTES

SCALE
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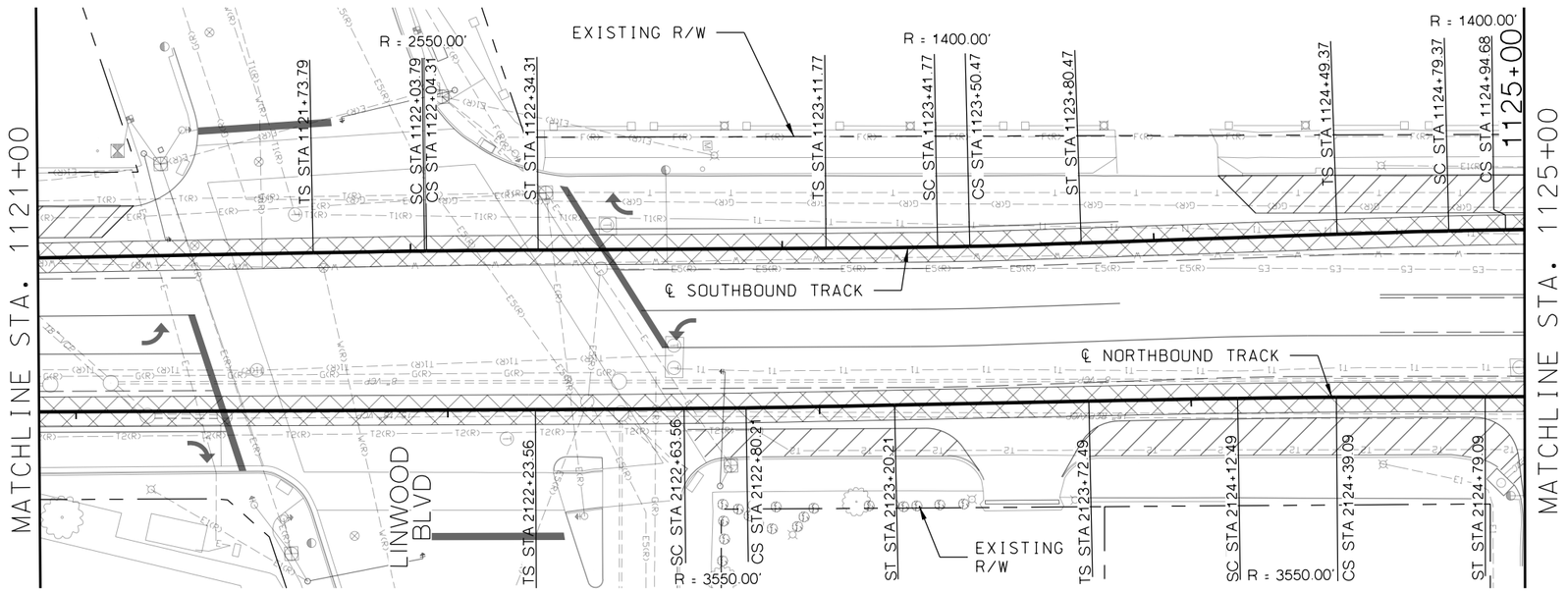
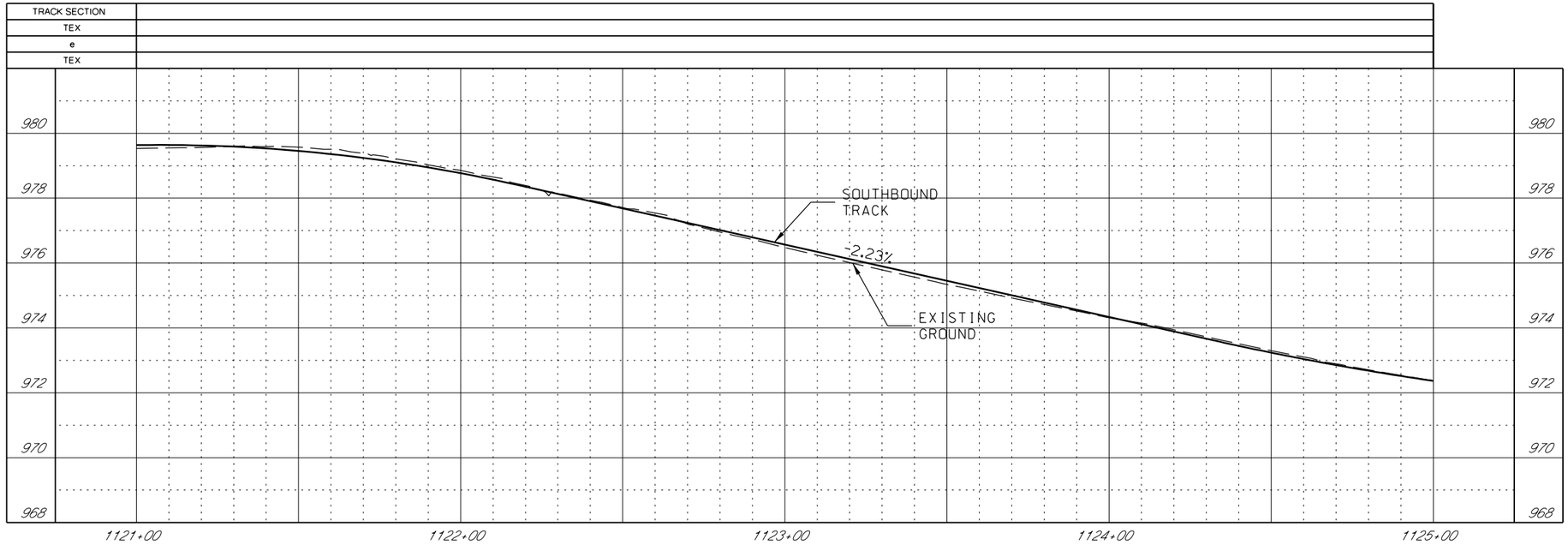




GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:11 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

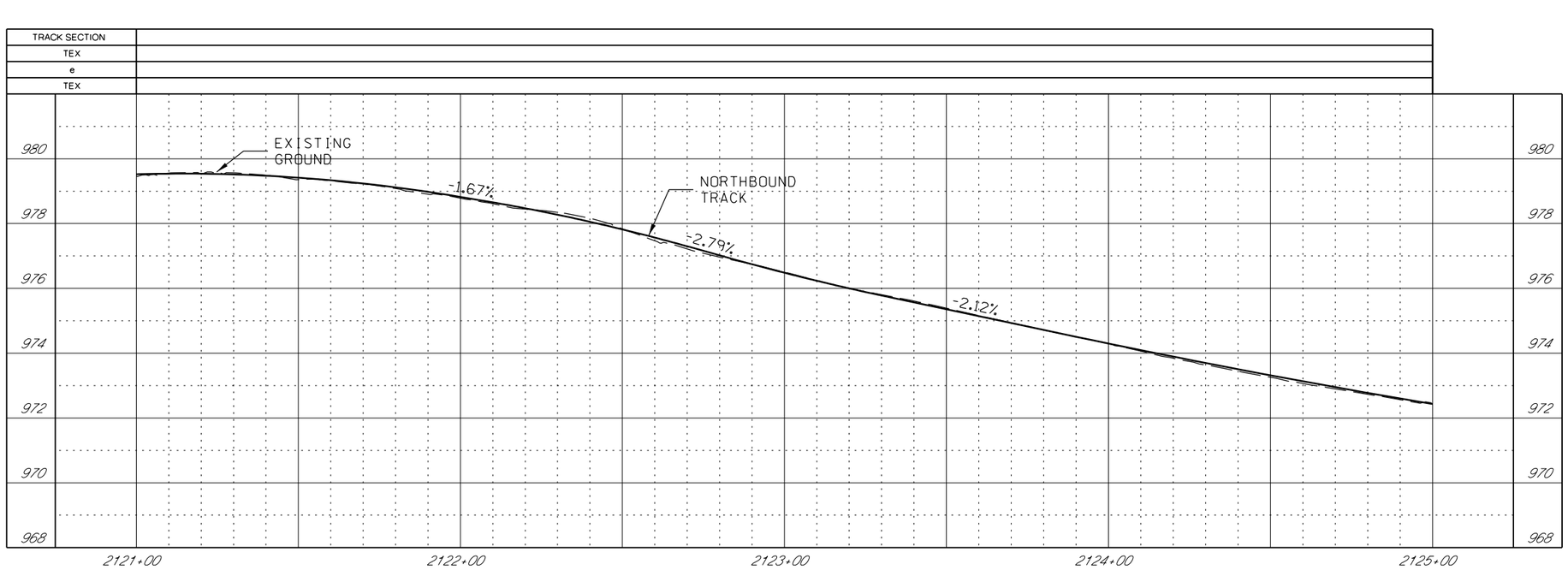
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
LINWOOD BOULEVARD
SB STA 1121+00 TO STA 1125+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K132.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K132
SHEET NO.:	96



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:16 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

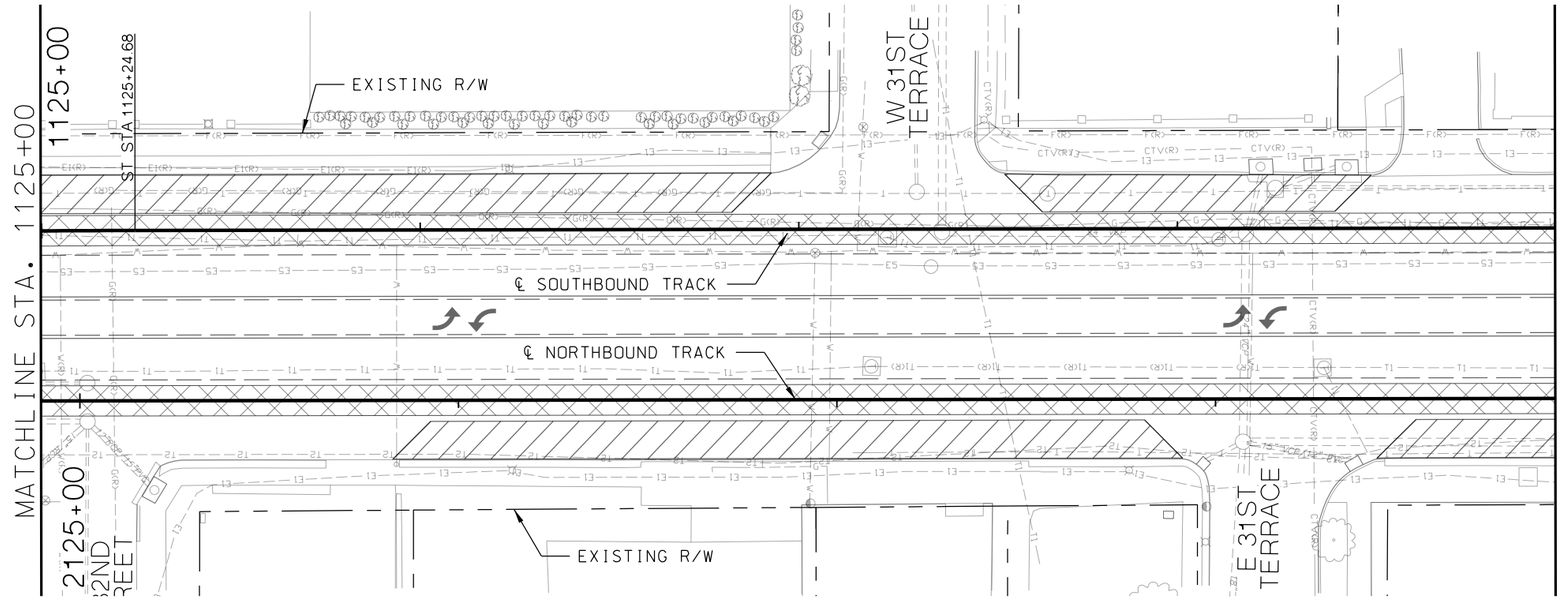
NOT FOR CONSTRUCTION

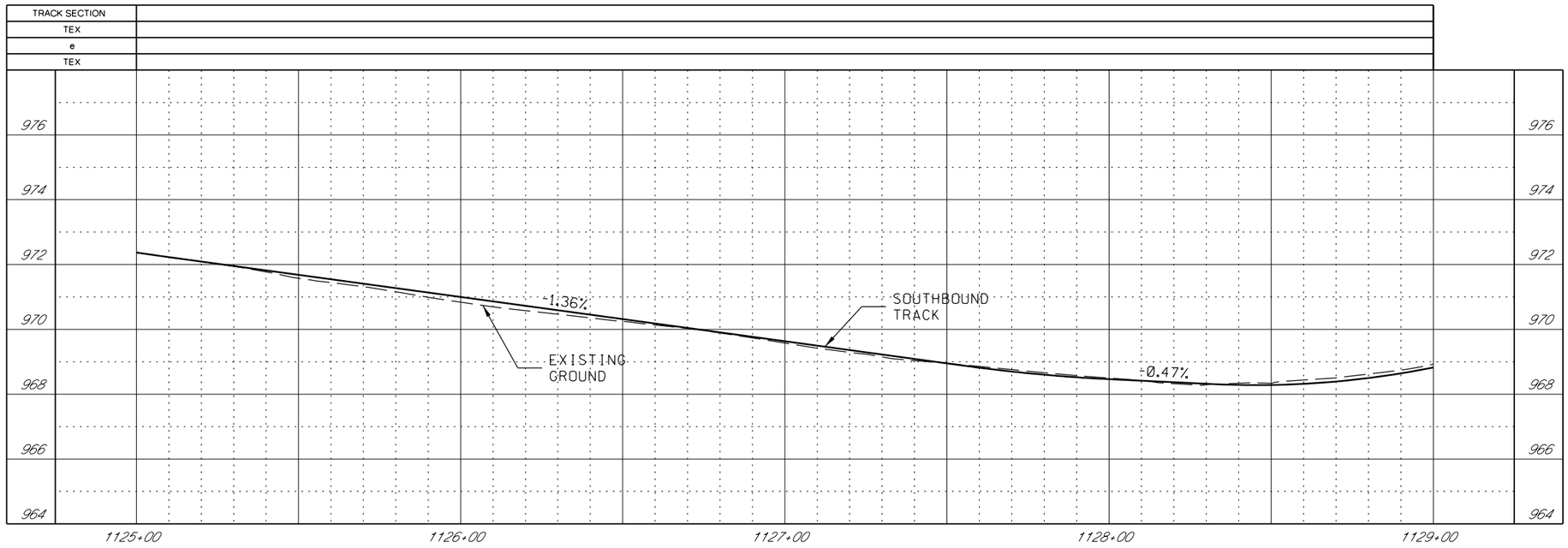
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
LINWOOD BOULEVARD
NB STA 2121+00 TO STA 2125+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K132A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K132A
SHEET NO.:	97

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

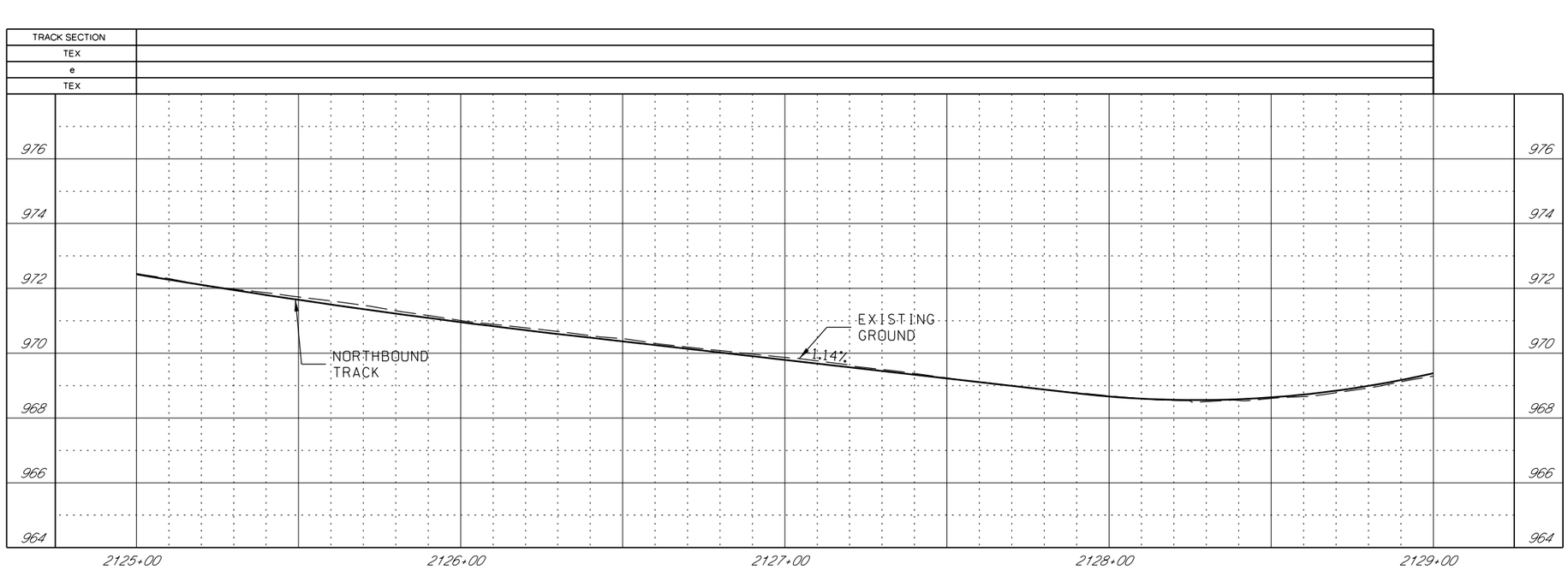
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
31ST TERRACE
SB STA 1125+00 TO STA 1129+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K133.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K133
SHEET NO.:	98



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:31 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

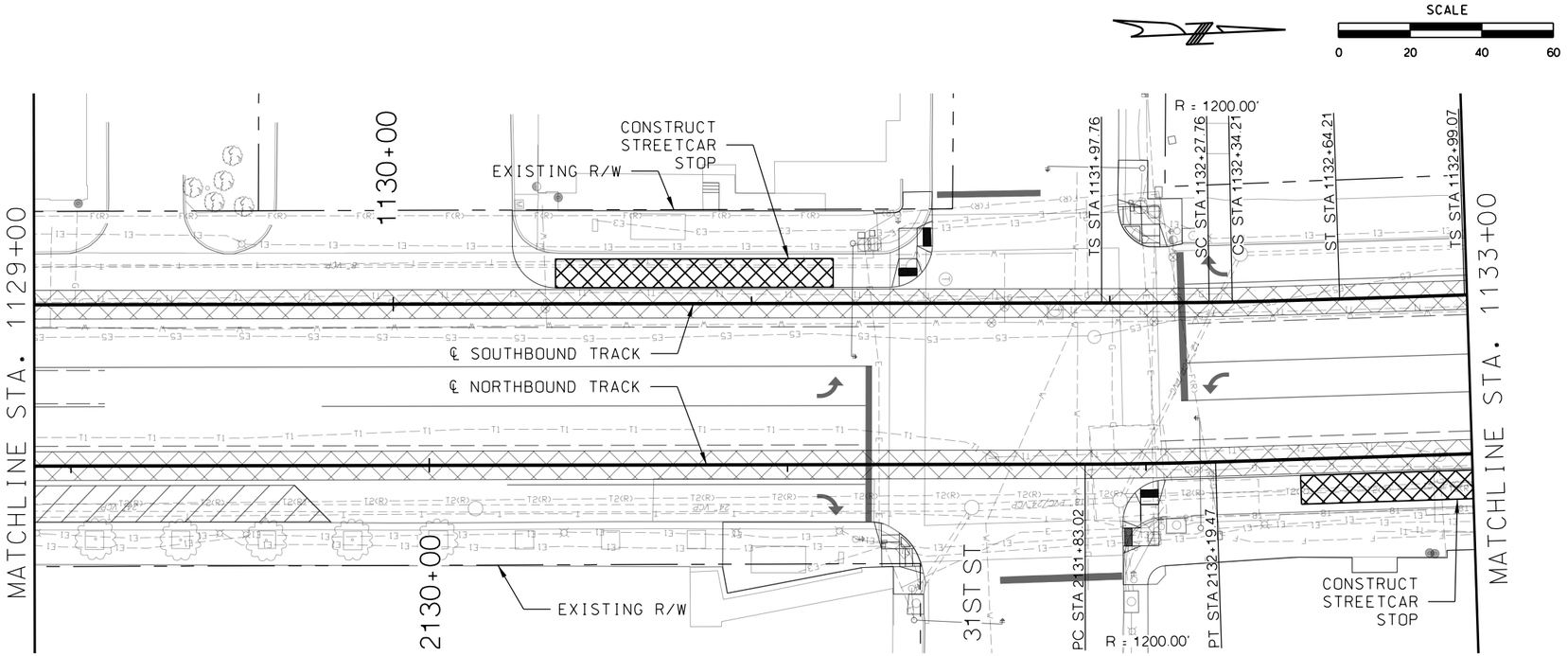
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

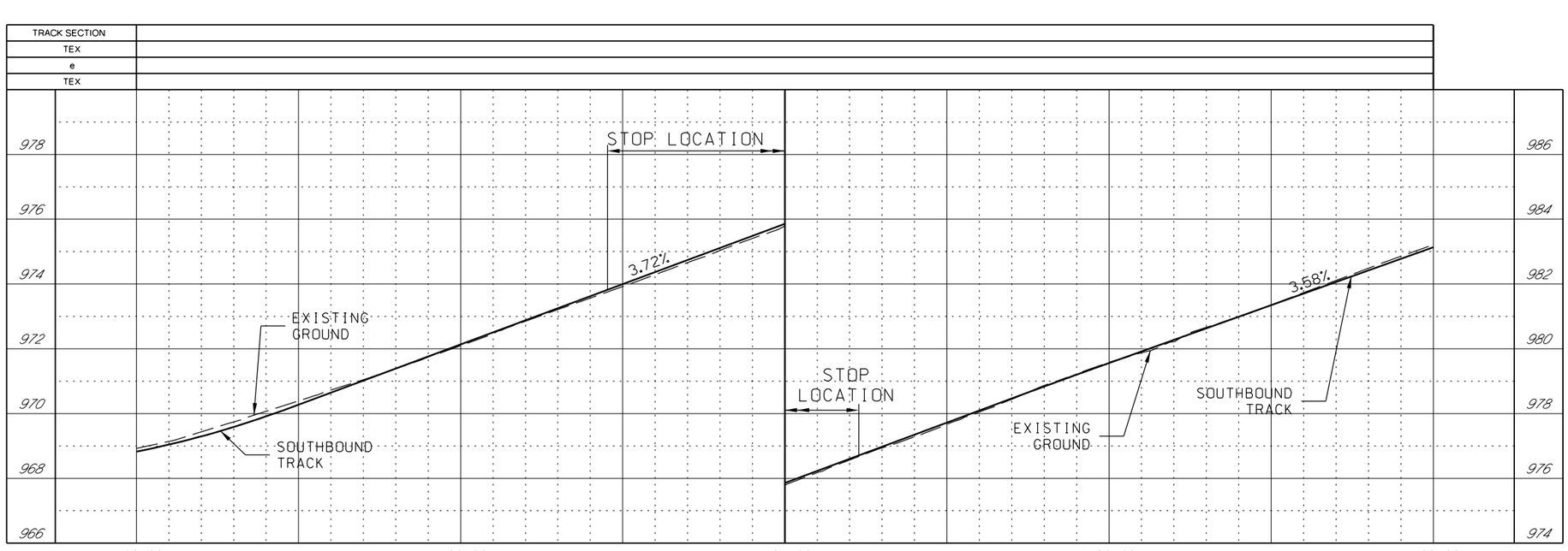
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
31ST TERRACE
NB STA 2125+00 TO STA 2129+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K133A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K133A
SHEET NO.:	99





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:39 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

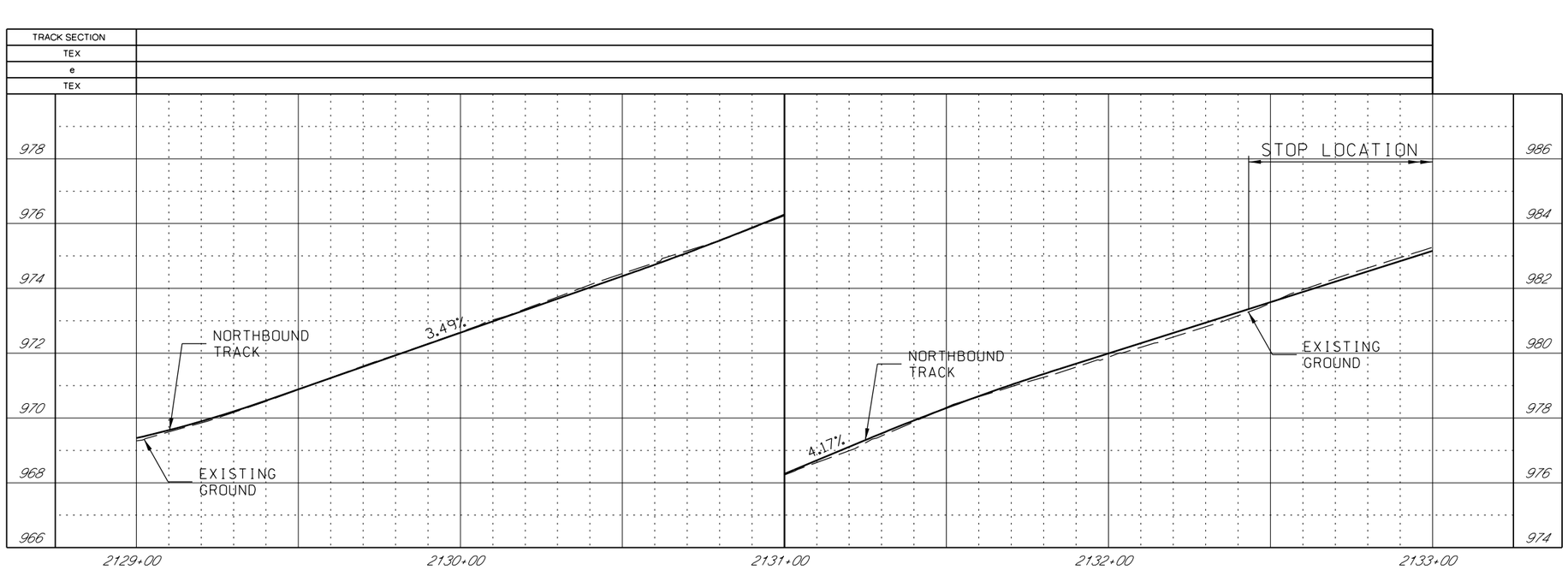
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
31ST STREET
SB STA 1129+00 TO STA 1133+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K134.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K134
SHEET NO.:	100



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:44 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

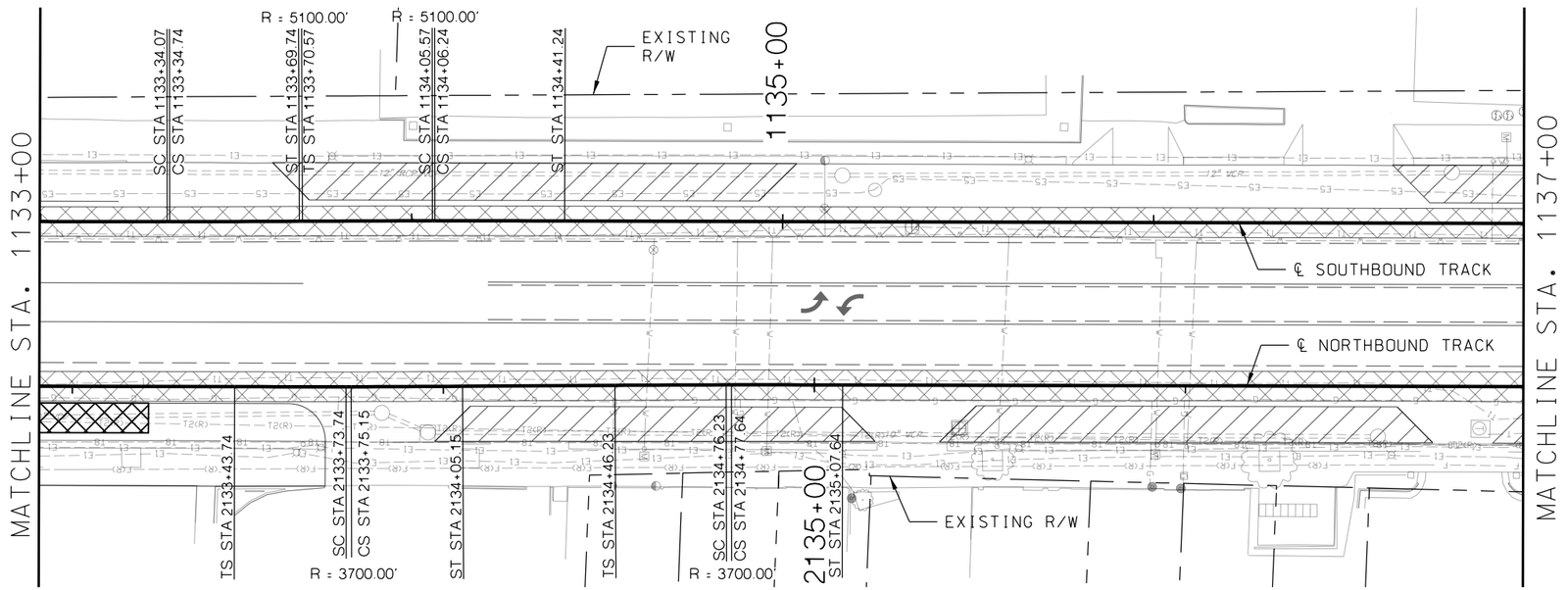
KANSAS CITY STREETCAR MAIN STREET EXTENSION

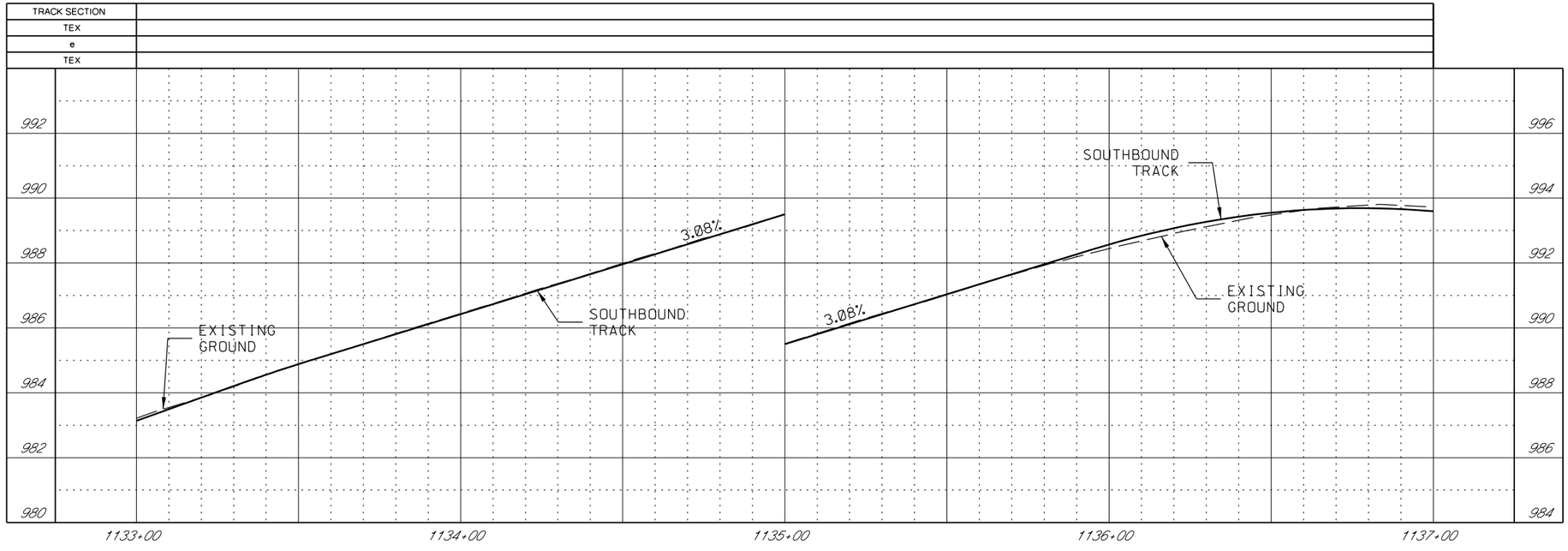
NORTHBOUND TRACK
PROFILE
31ST STREET
NB STA 2129+00 TO STA 2133+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K134A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K134A
SHEET NO.:	101

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:53 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

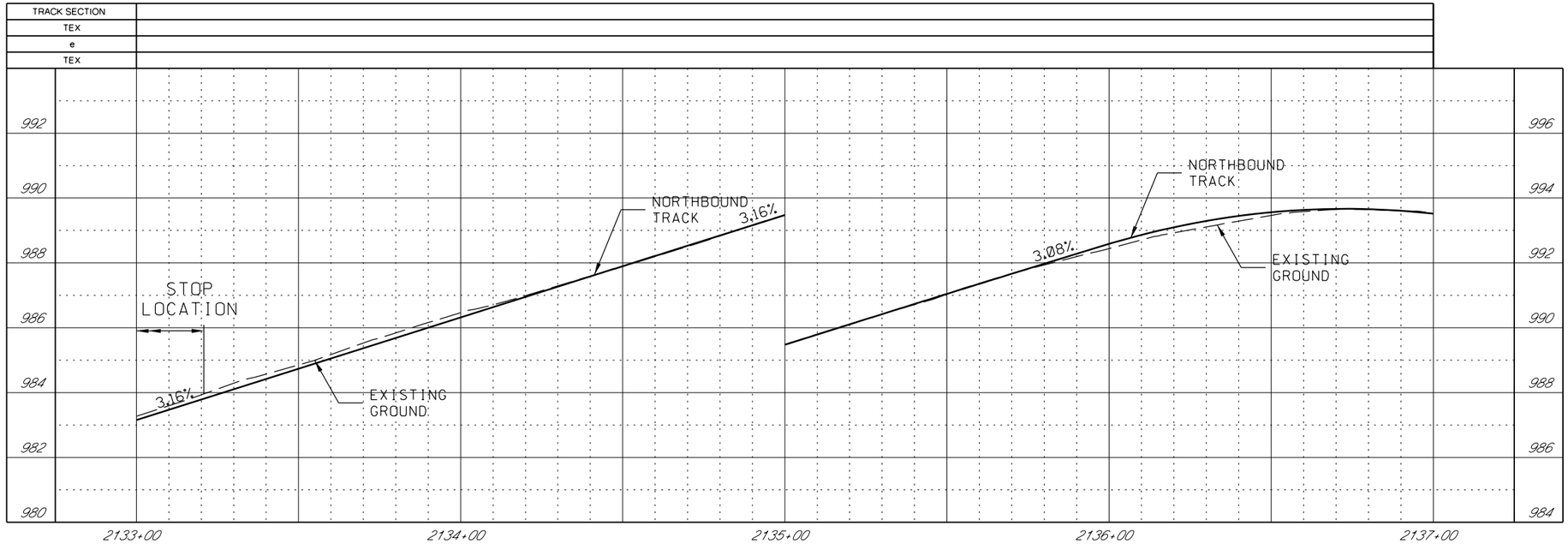
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1133+00 TO STA 1137+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K135.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K135
SHEET NO.:	102

CONSTRUCTION NOTES



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:16:58 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

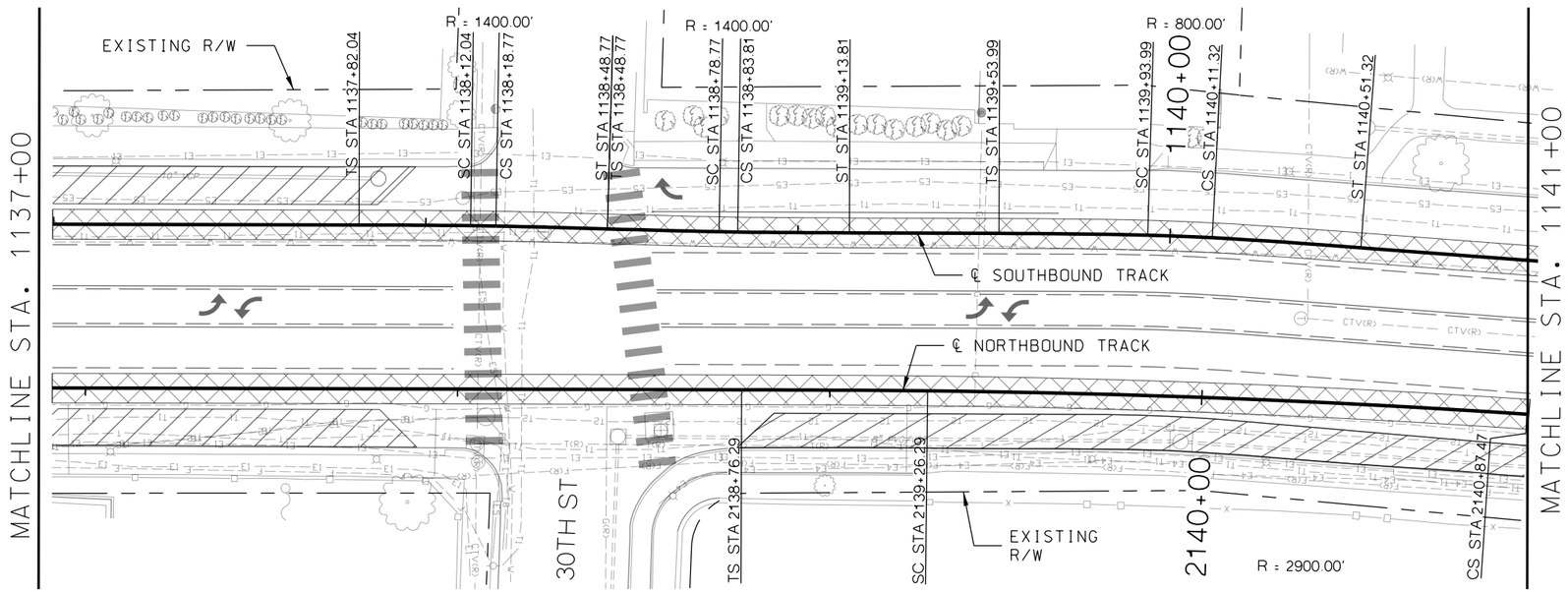
NOT FOR CONSTRUCTION

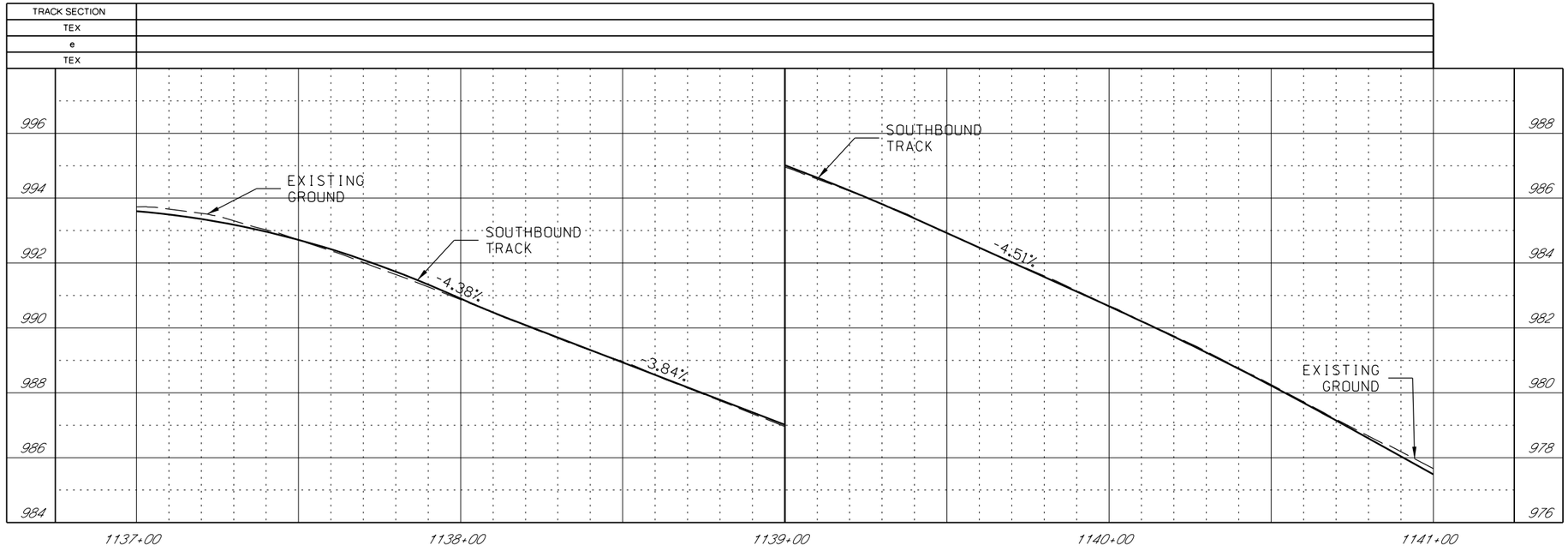
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2133+00 TO STA 2137+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K135A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K135A
SHEET NO.:	103

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:06 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

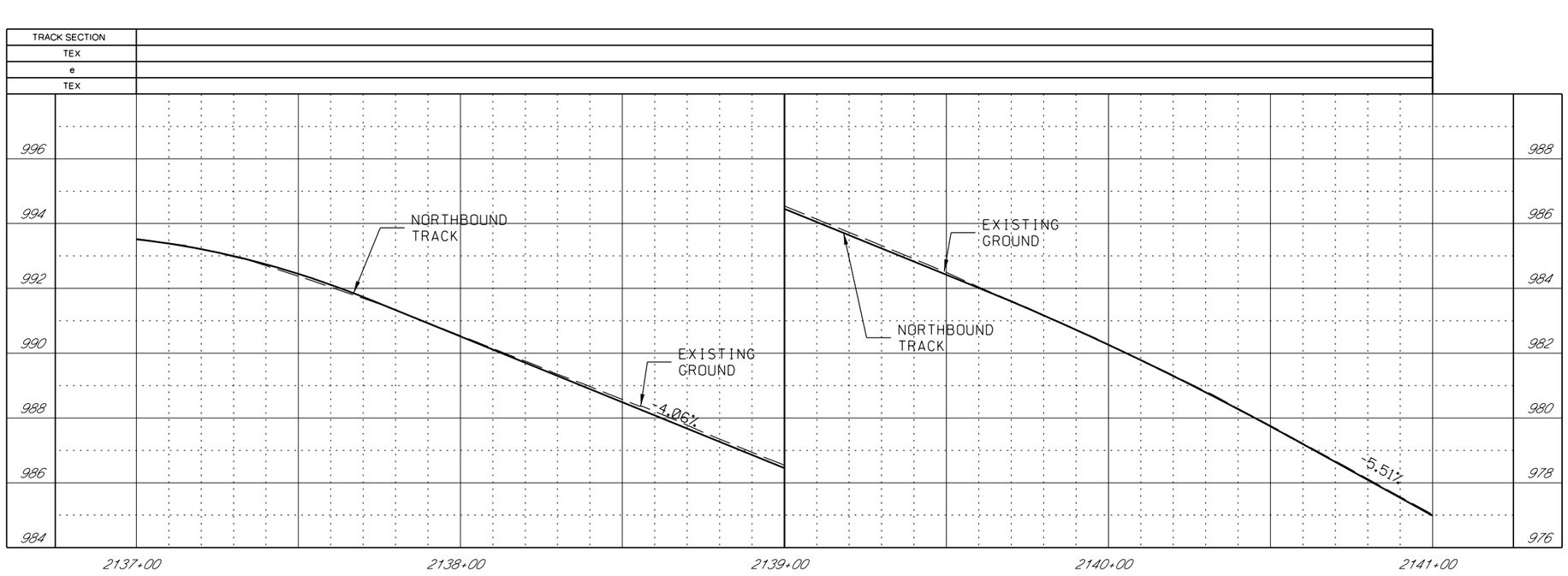
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
30TH STREET
SB STA 1137+00 TO STA 1141+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K136.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K136
SHEET NO.:	104



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:12 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

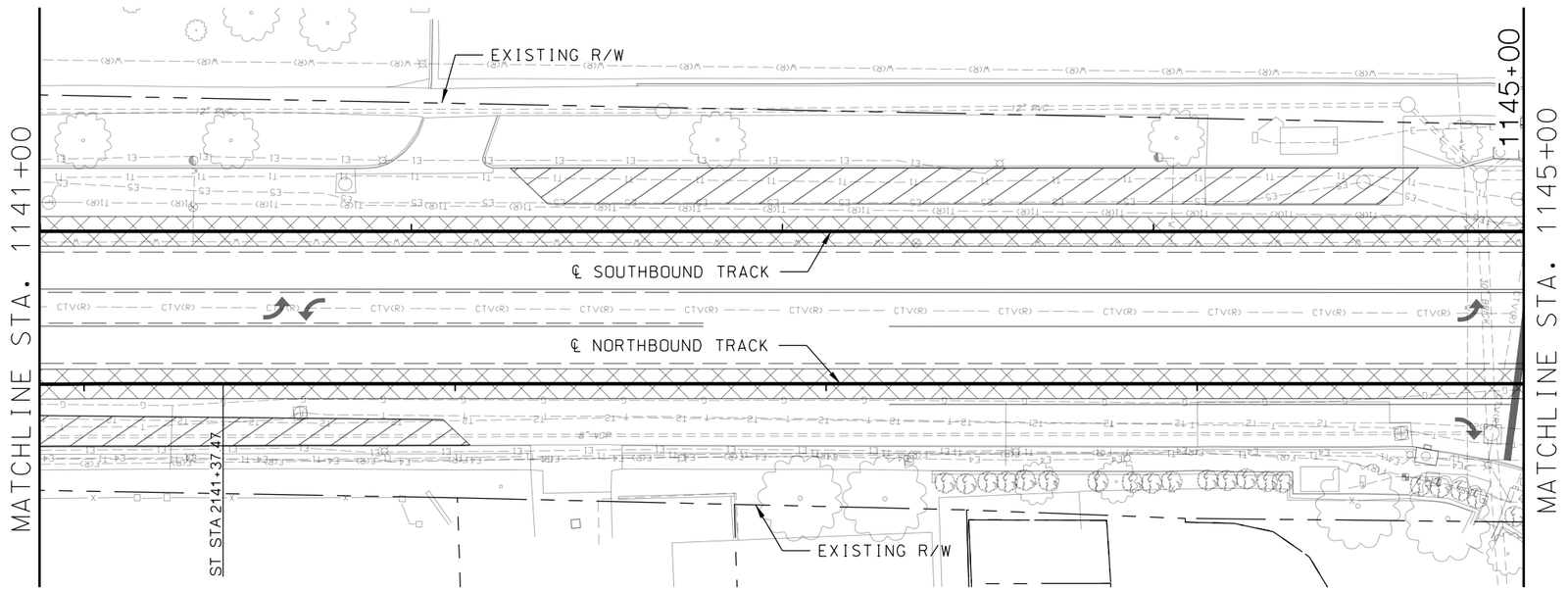
NOT FOR CONSTRUCTION

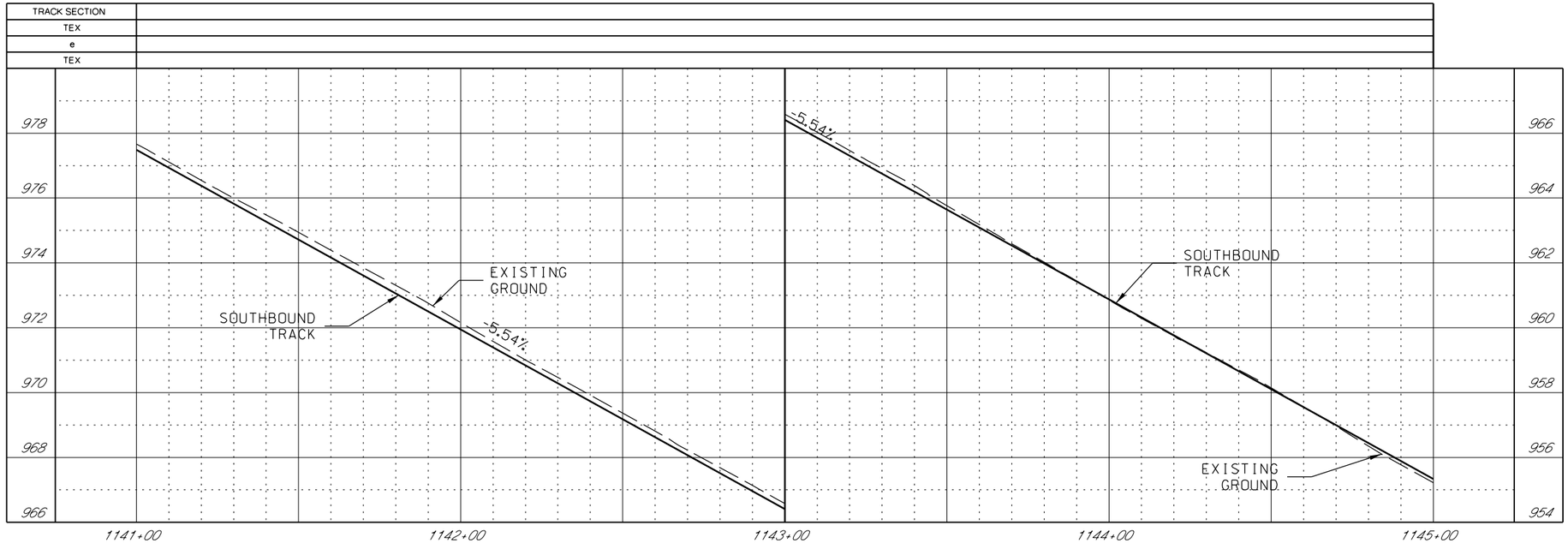
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
30TH STREET
NB STA 2137+00 TO STA 2141+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K136A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K136A
SHEET NO.:	105

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

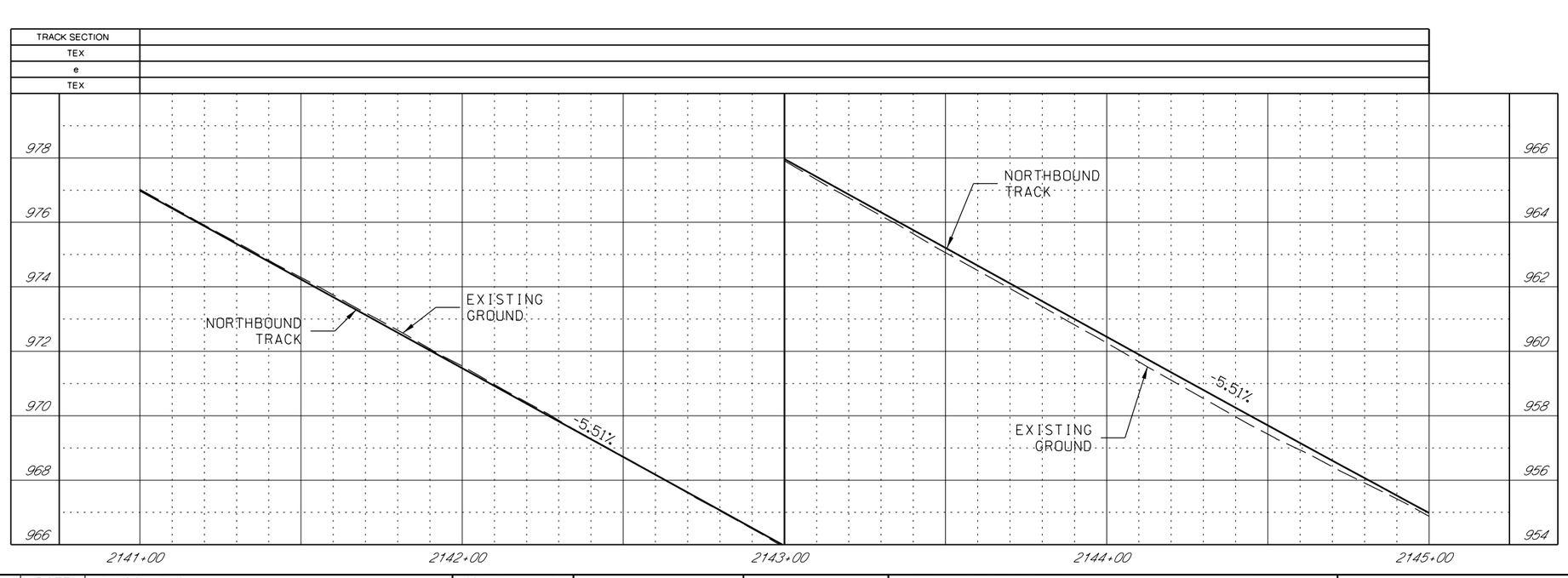
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
WARWICK TRAFFICWAY
SB STA 1141+00 TO STA 1145+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K137.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K137
SHEET NO.:	106



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
WARWICK TRAFFICWAY
NB STA 2141+00 TO STA 2145+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K137A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K137A
SHEET NO.:	107

SCALE
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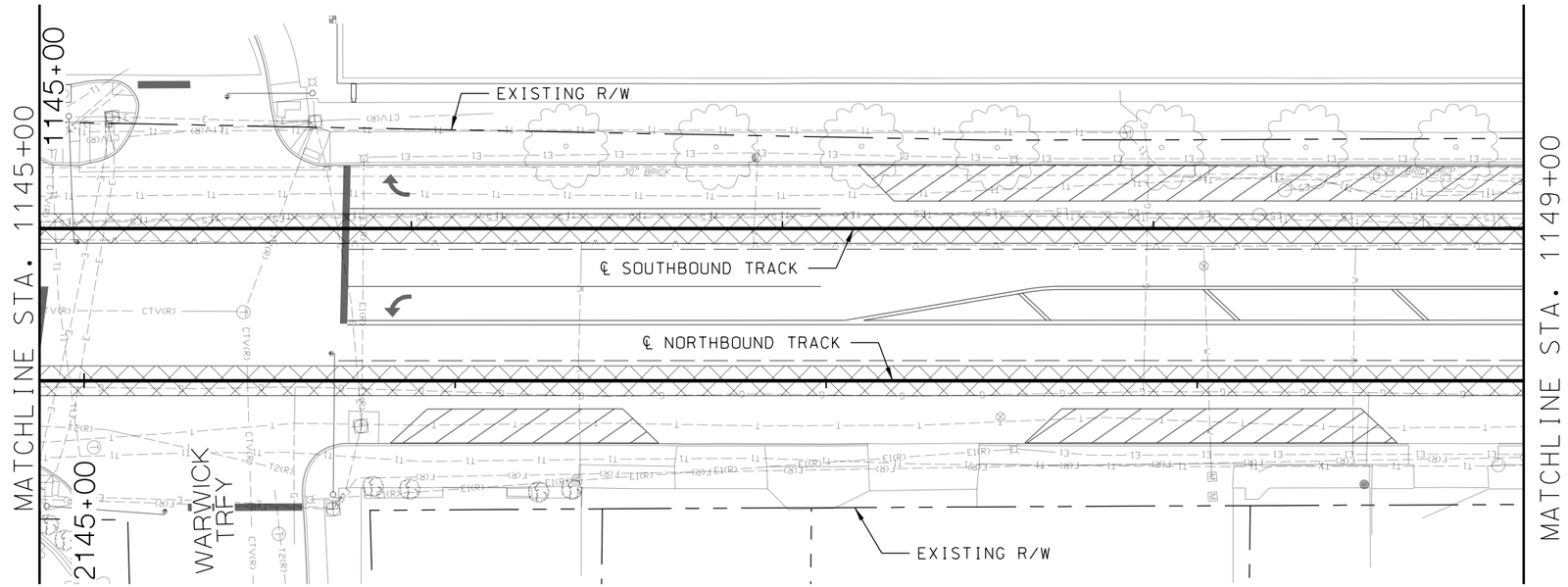
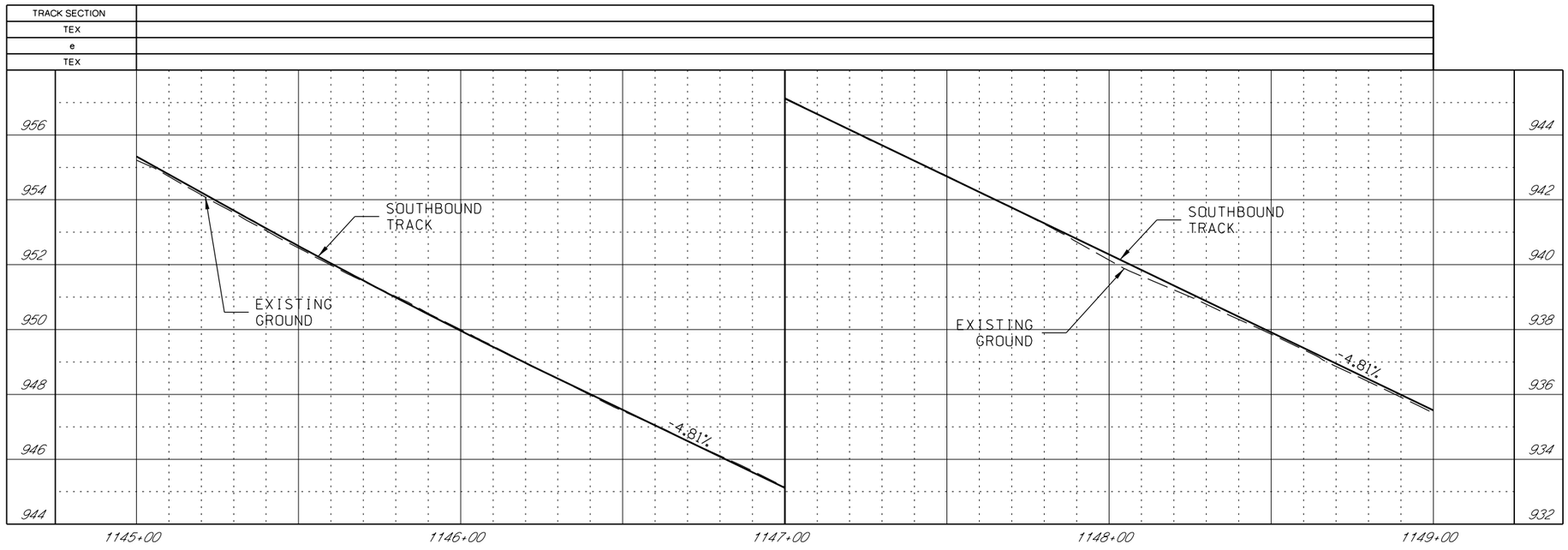




GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:33 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

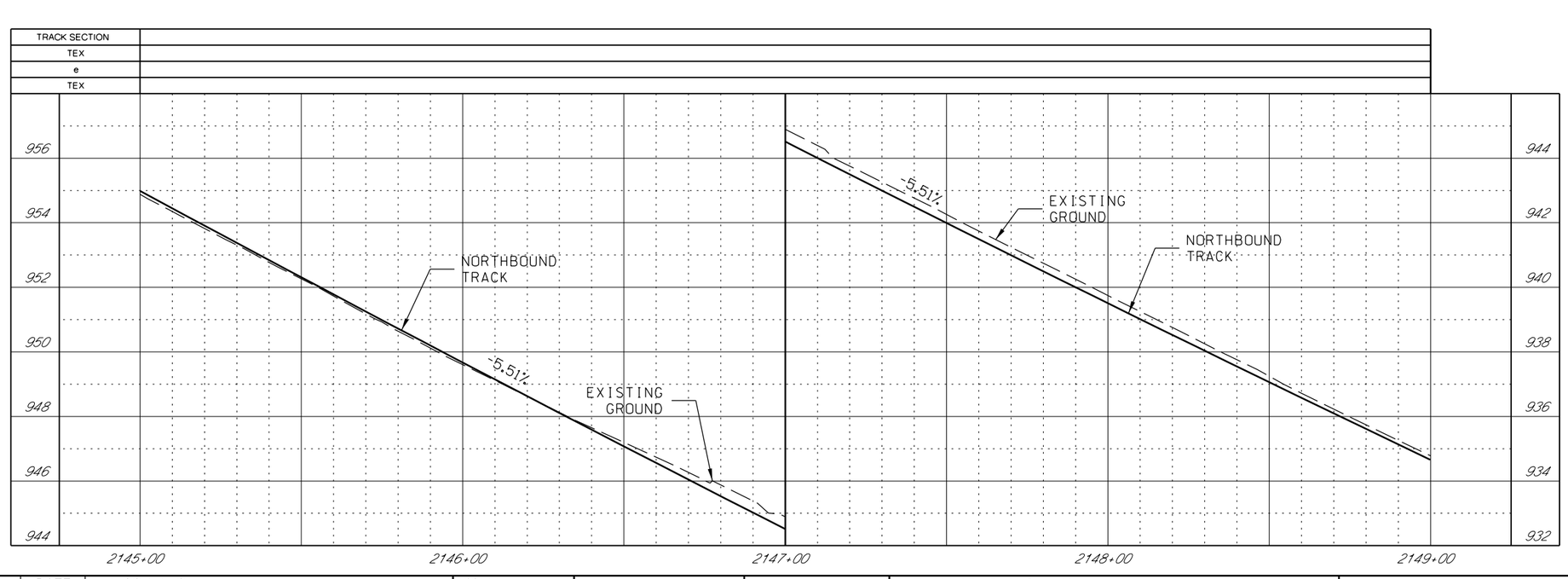
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
WARWICK TRAFFICWAY
SB STA 1145+00 TO STA 1149+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K138.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K138
SHEET NO.:	108



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:39 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

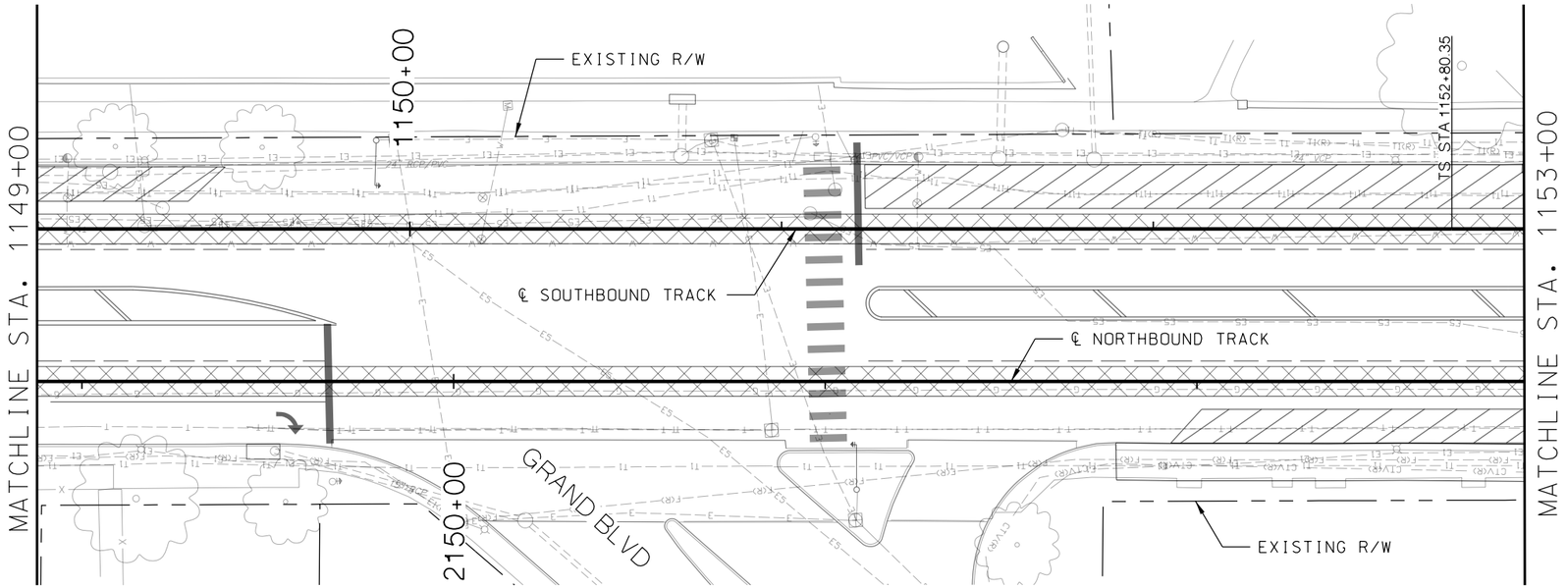
KANSAS CITY STREETCAR MAIN STREET EXTENSION

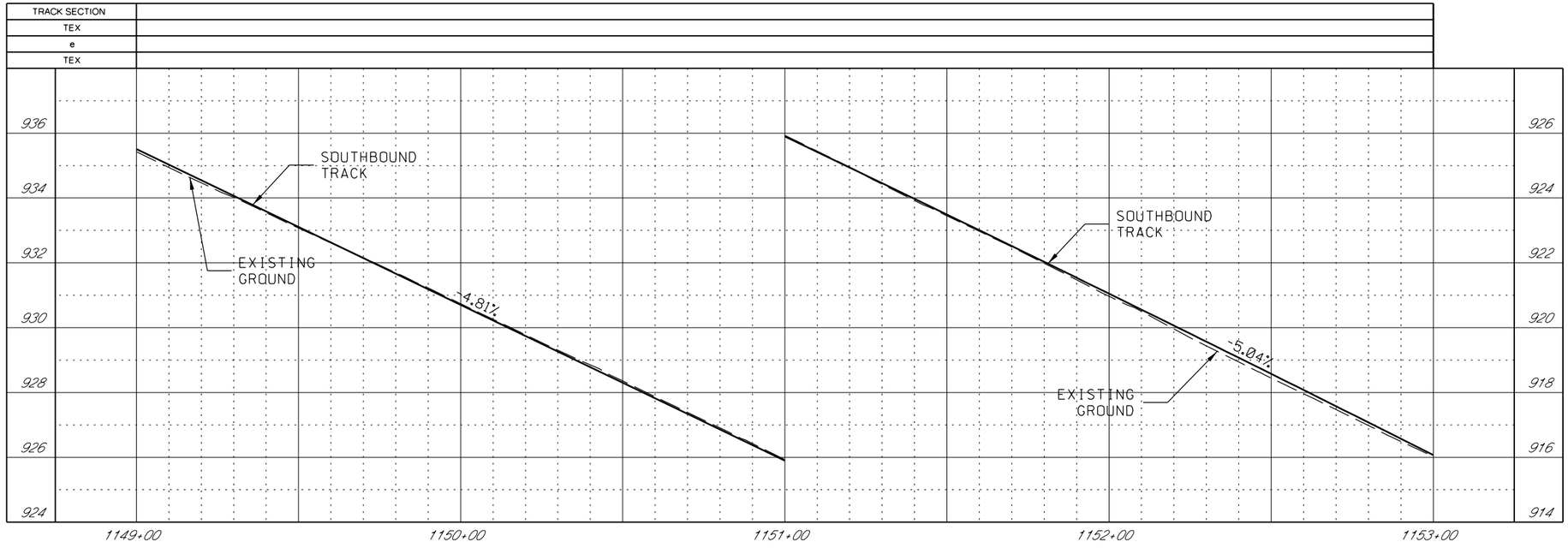
NORTHBOUND TRACK
PROFILE
WARWICK TRAFFICWAY
NB STA 2145+00 TO STA 2149+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K138A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K138A
SHEET NO.:	109

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:47 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

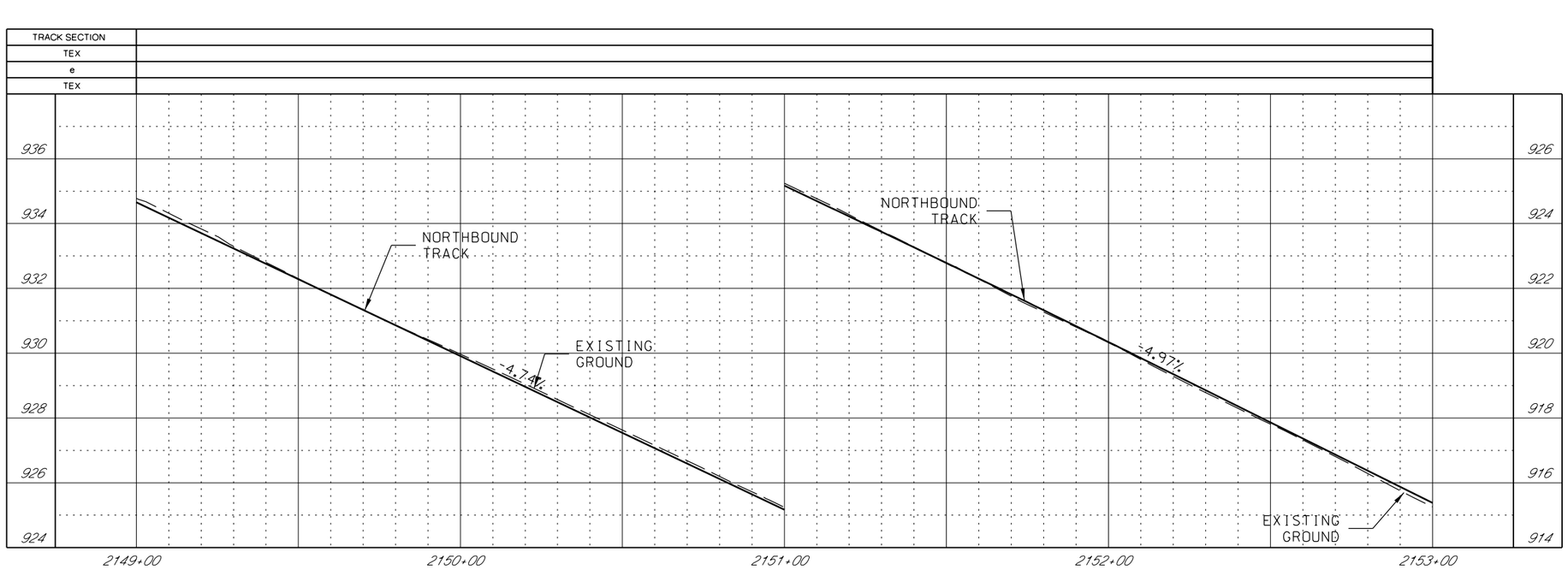
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
GRAND BOULEVARD
SB STA 1149+00 TO STA 1153+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K139.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K139
SHEET NO.:	110



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:17:53 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

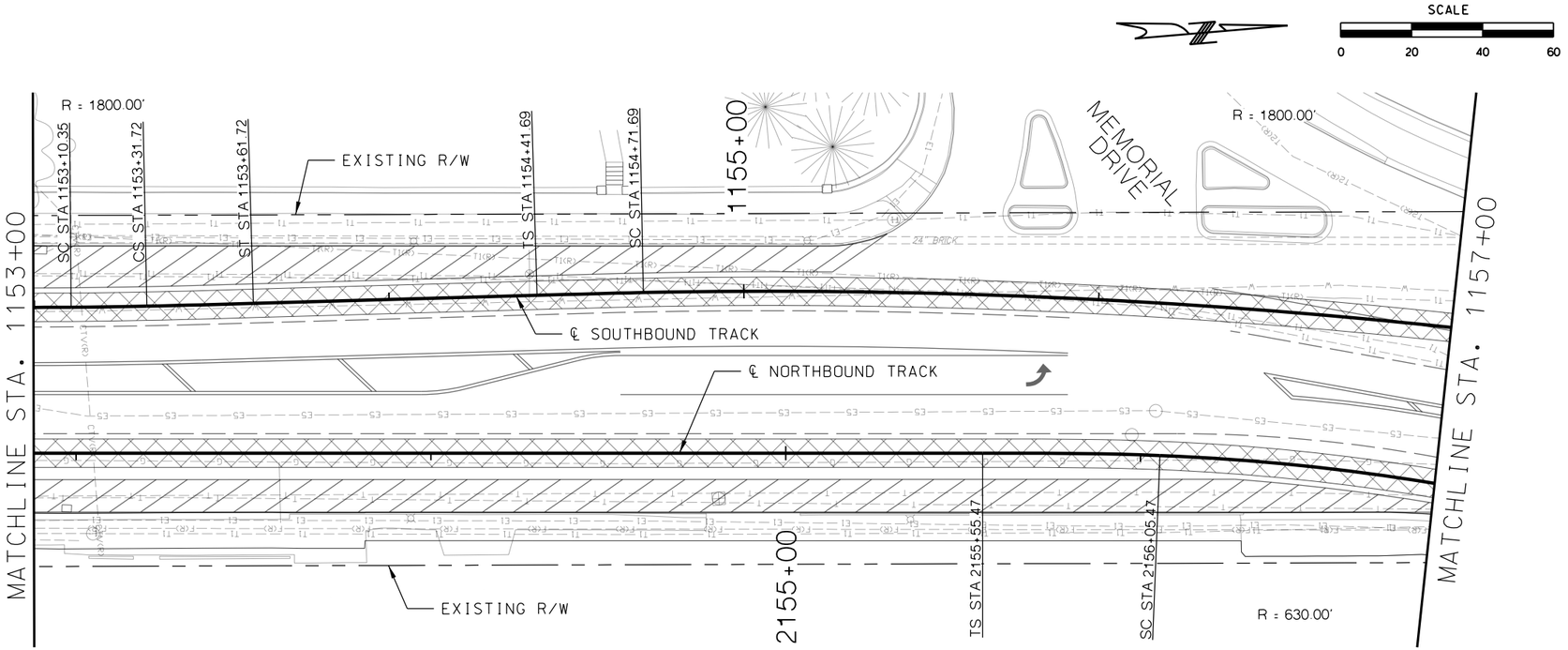
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

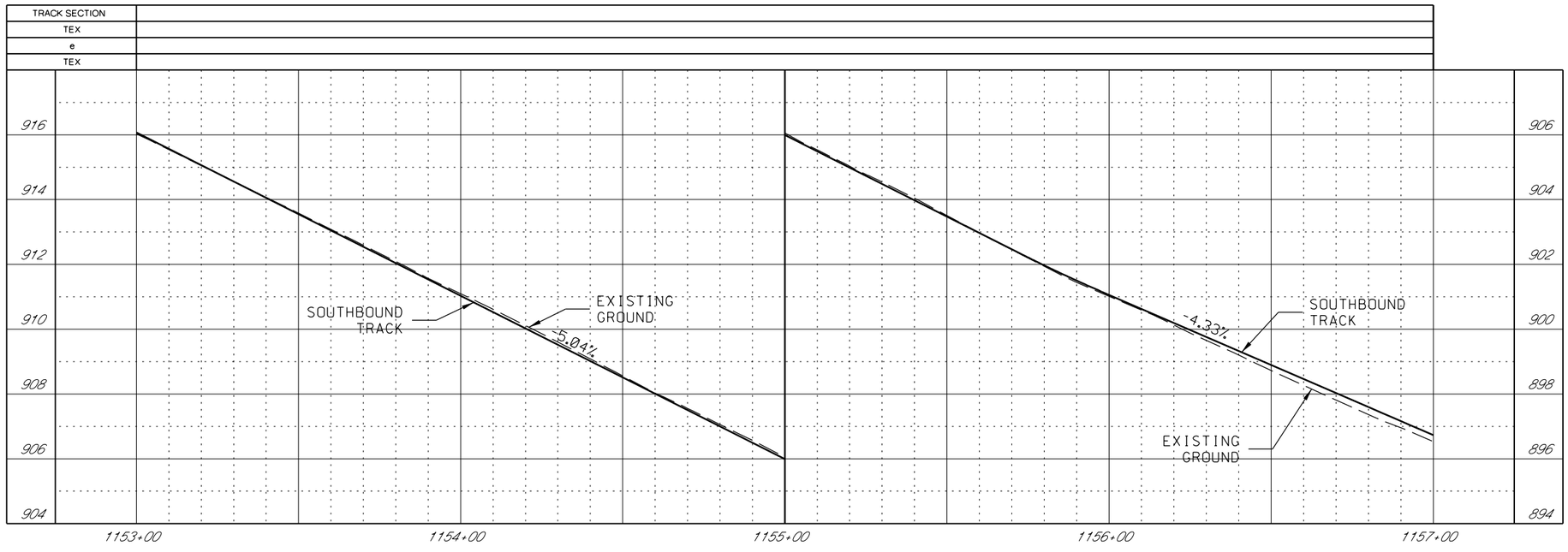
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
GRAND BOULEVARD
NB STA 2149+00 TO STA 2153+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K139A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K139A
SHEET NO.:	111





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:18:14 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

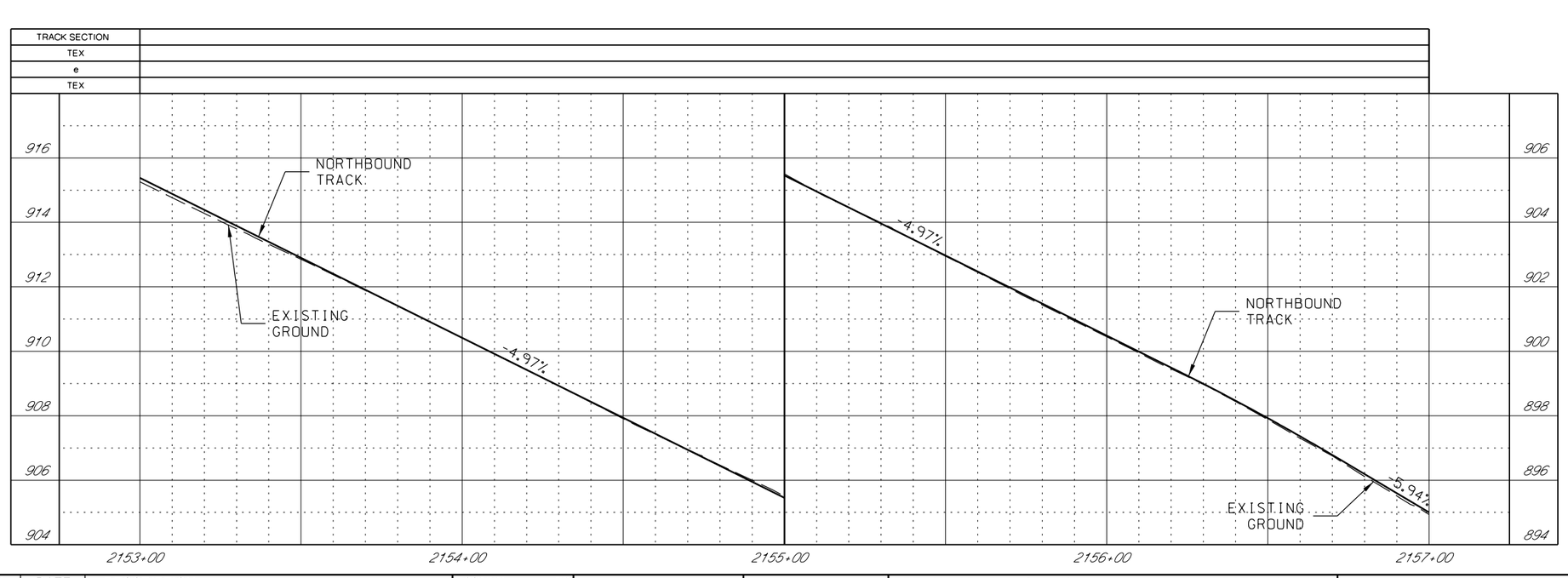
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
MEMORIAL DRIVE
SB STA 1153+00 TO STA 1157+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K140.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K140
SHEET NO.:	112



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:18:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

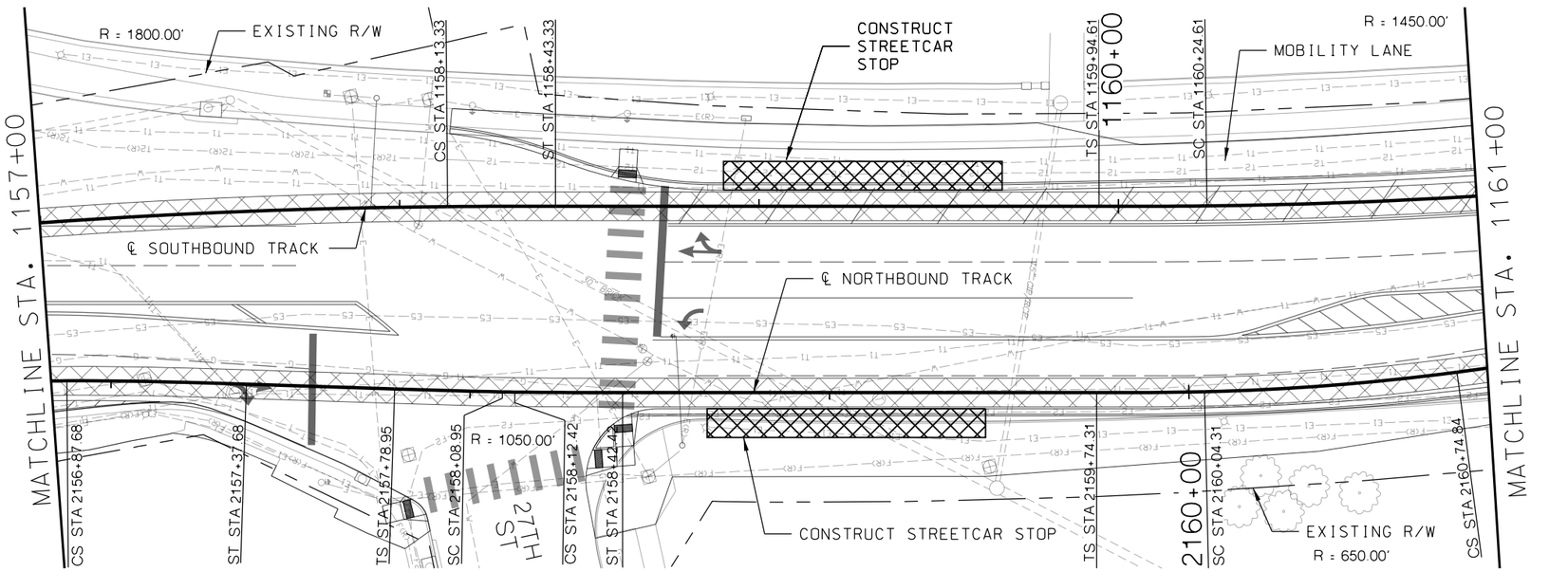
KANSAS CITY STREETCAR MAIN STREET EXTENSION

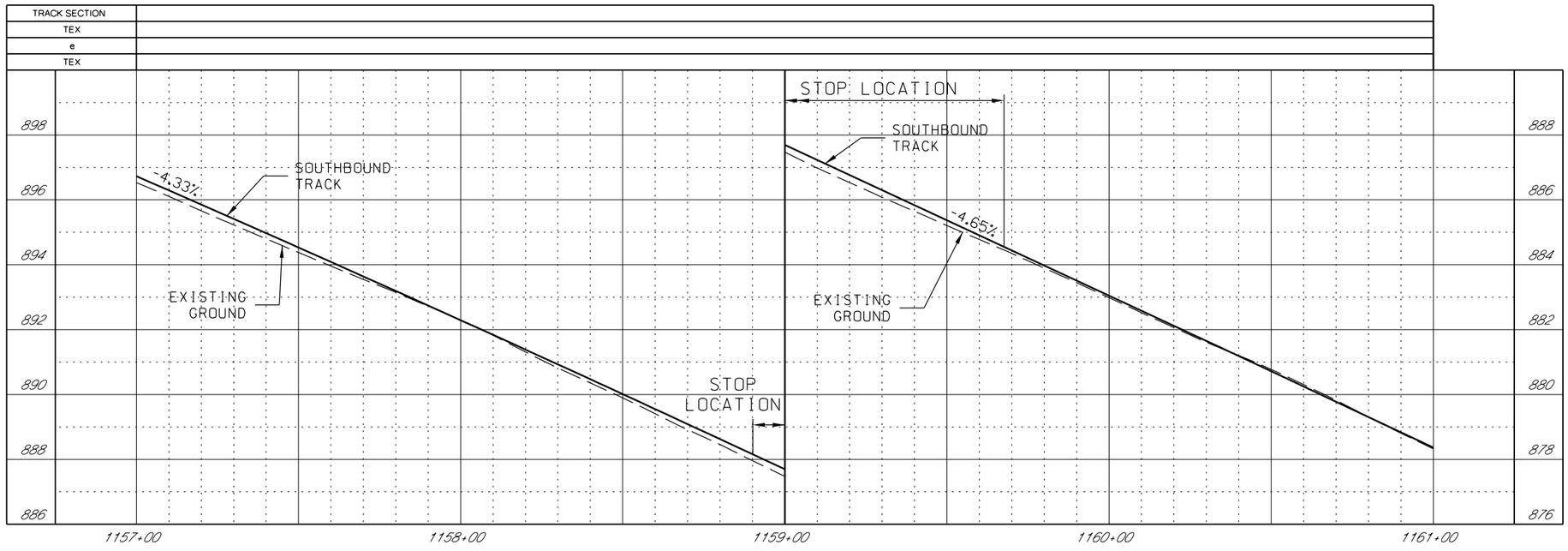
NORTHBOUND TRACK
PROFILE
MEMORIAL DRIVE
NB STA 2153+00 TO STA 2157+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K140A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K140A
SHEET NO.:	113

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:18:28 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

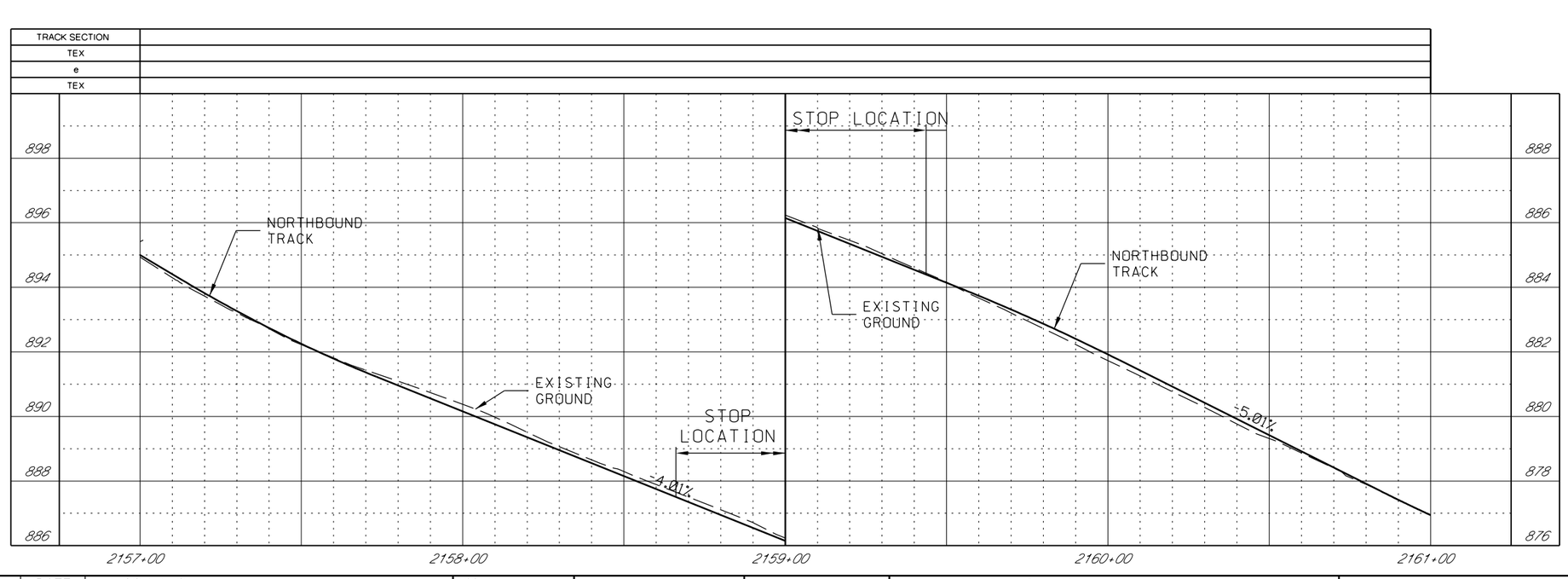
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
27TH STREET
SB STA 1157+00 TO STA 1161+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K141.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K141
SHEET NO.:	114



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:18:38 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

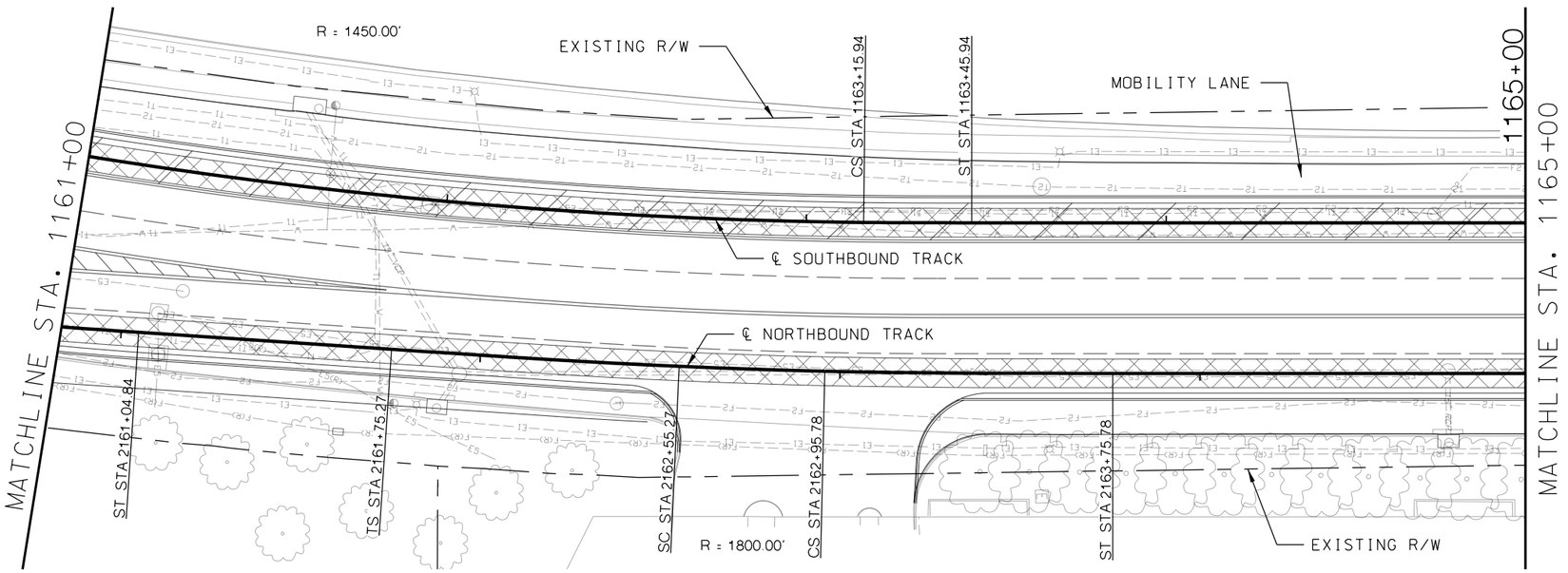
KANSAS CITY STREETCAR MAIN STREET EXTENSION

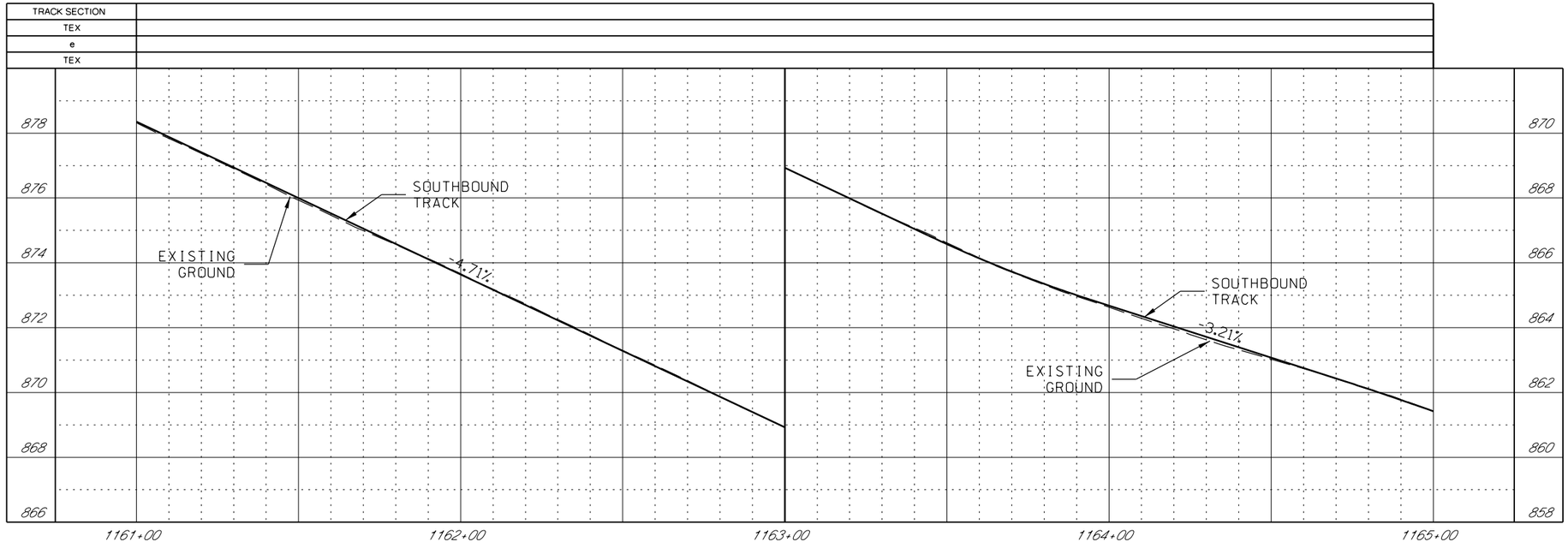
NORTHBOUND TRACK
PROFILE
27TH STREET
NB STA 2157+00 TO STA 2161+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K141A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K141A
SHEET NO.:	115

CONSTRUCTION NOTES

SCALE
0 20 40 60





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:18:46 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

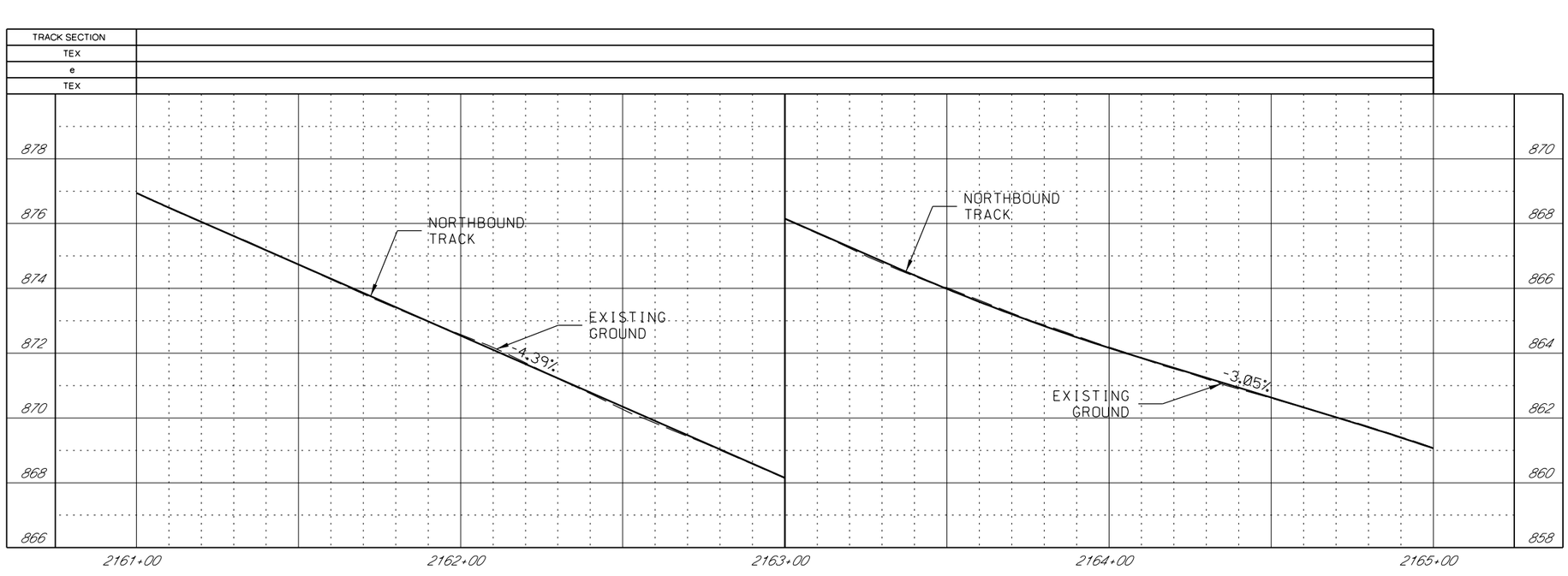
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1161+00 TO STA 1165+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K142.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K142
SHEET NO.:	116



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:18:52 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2161+00 TO STA 2165+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K142A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K142A
SHEET NO.:	117

SCALE
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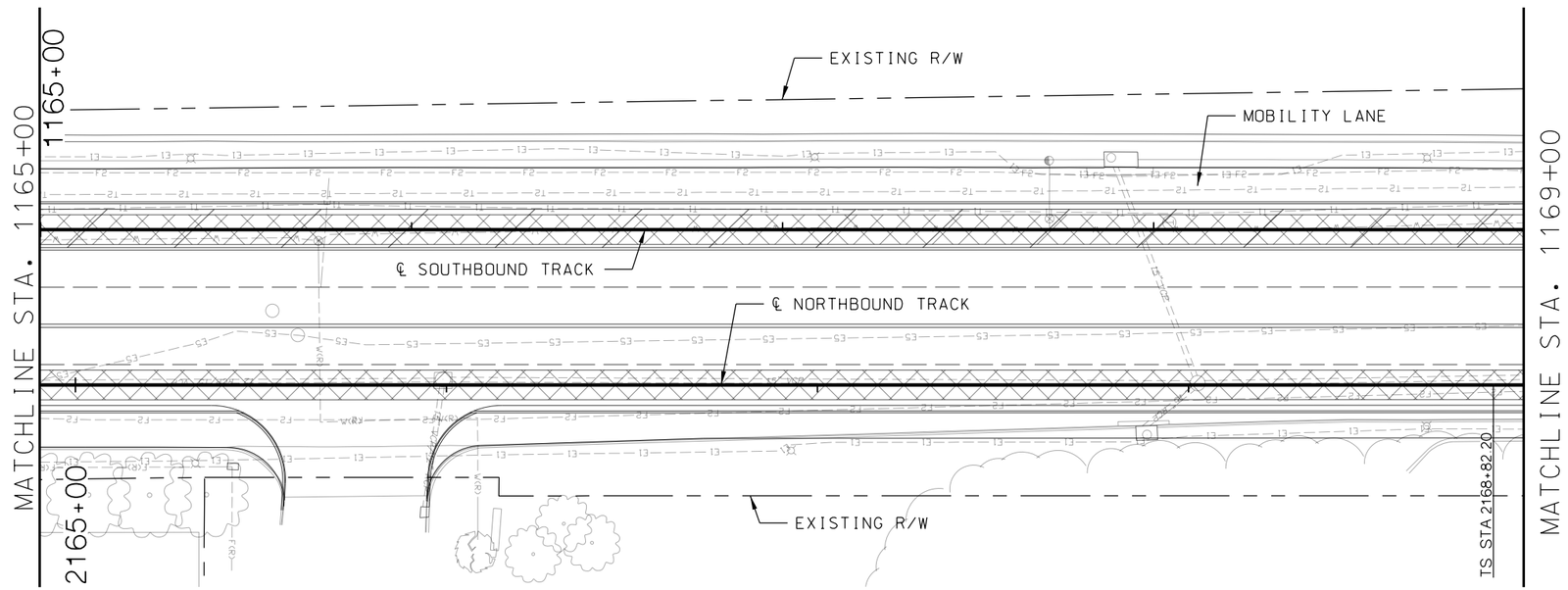

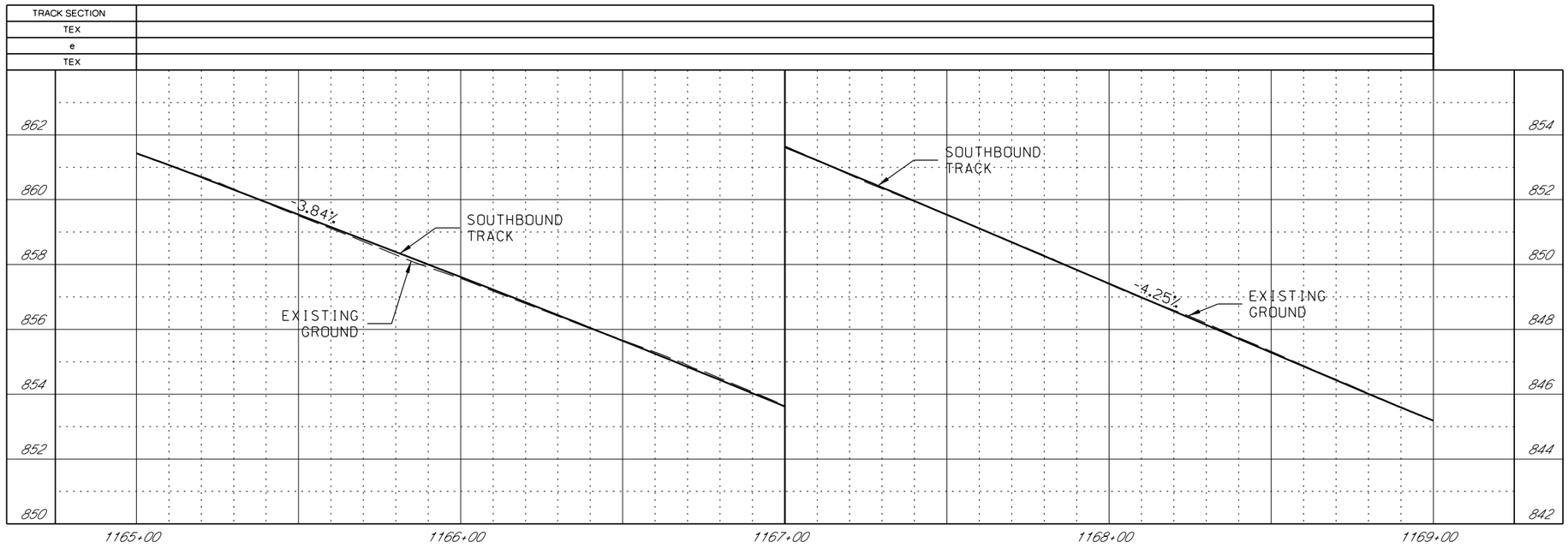

GENERAL NOTES

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3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:00 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

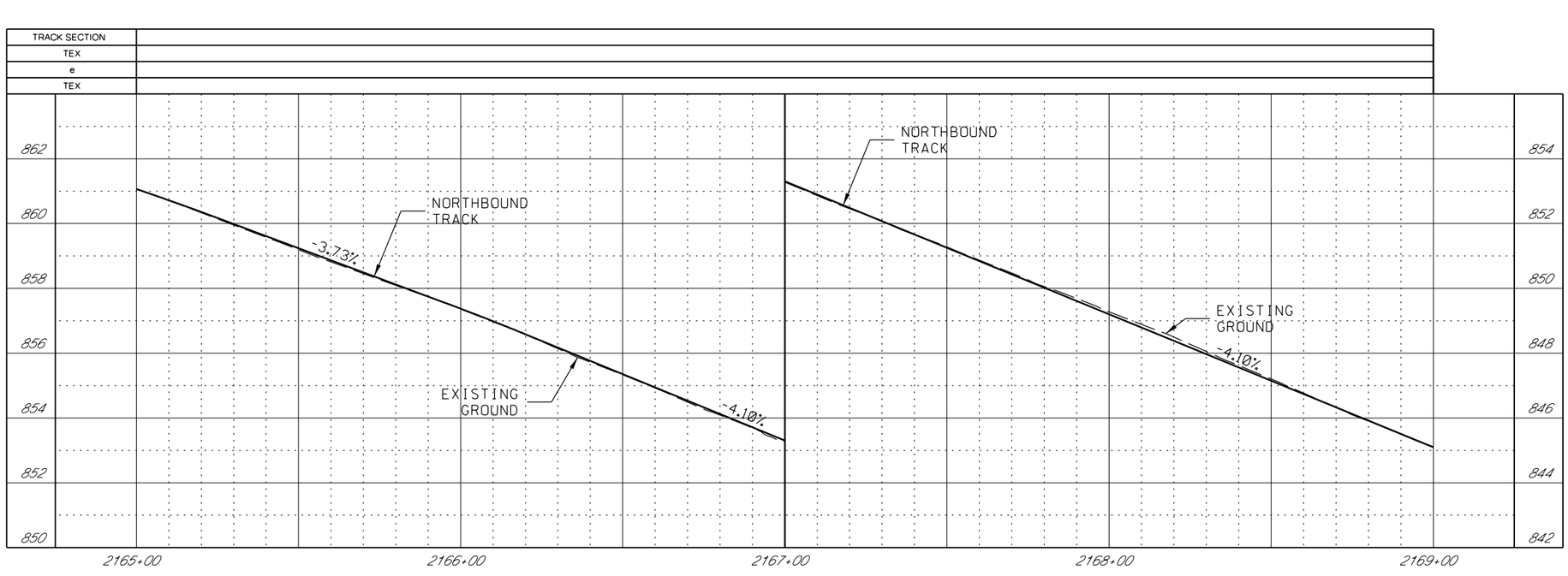
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1165+00 TO STA 1169+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K143.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K143
SHEET NO.:	118



GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:05 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
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KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2165+00 TO STA 2169+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K143A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K143A
SHEET NO.:	119

CONSTRUCTION NOTES

SCALE
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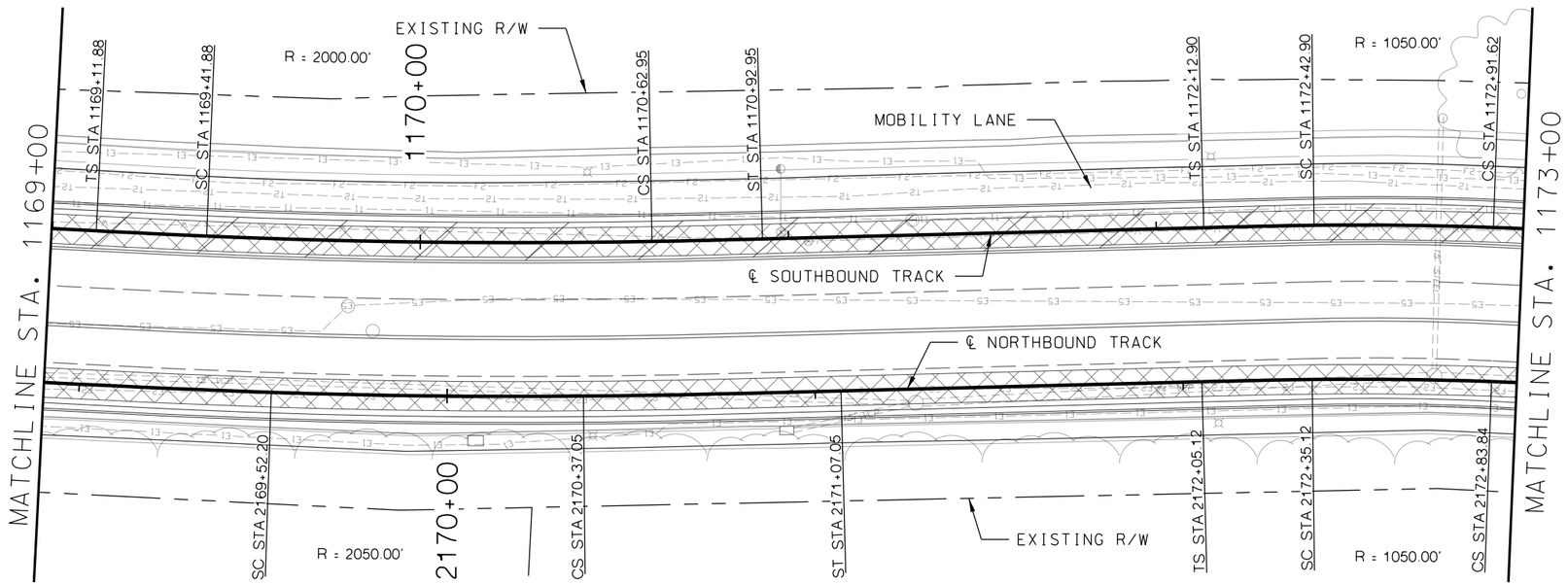
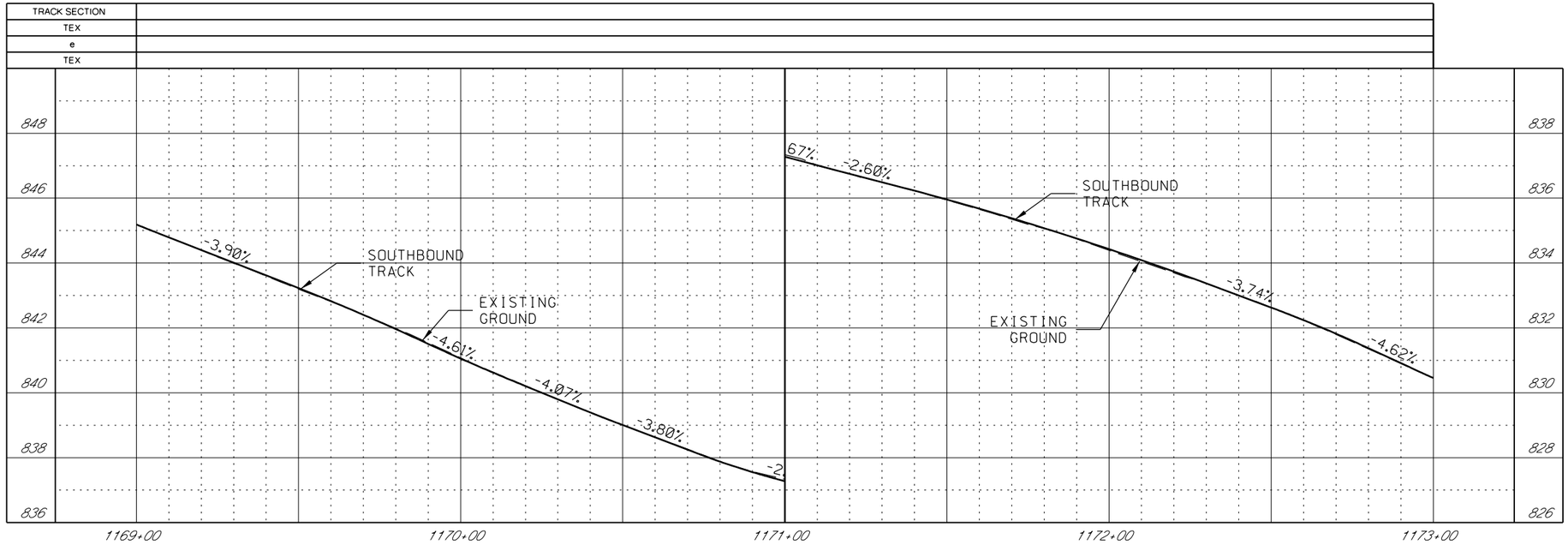




GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:13 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

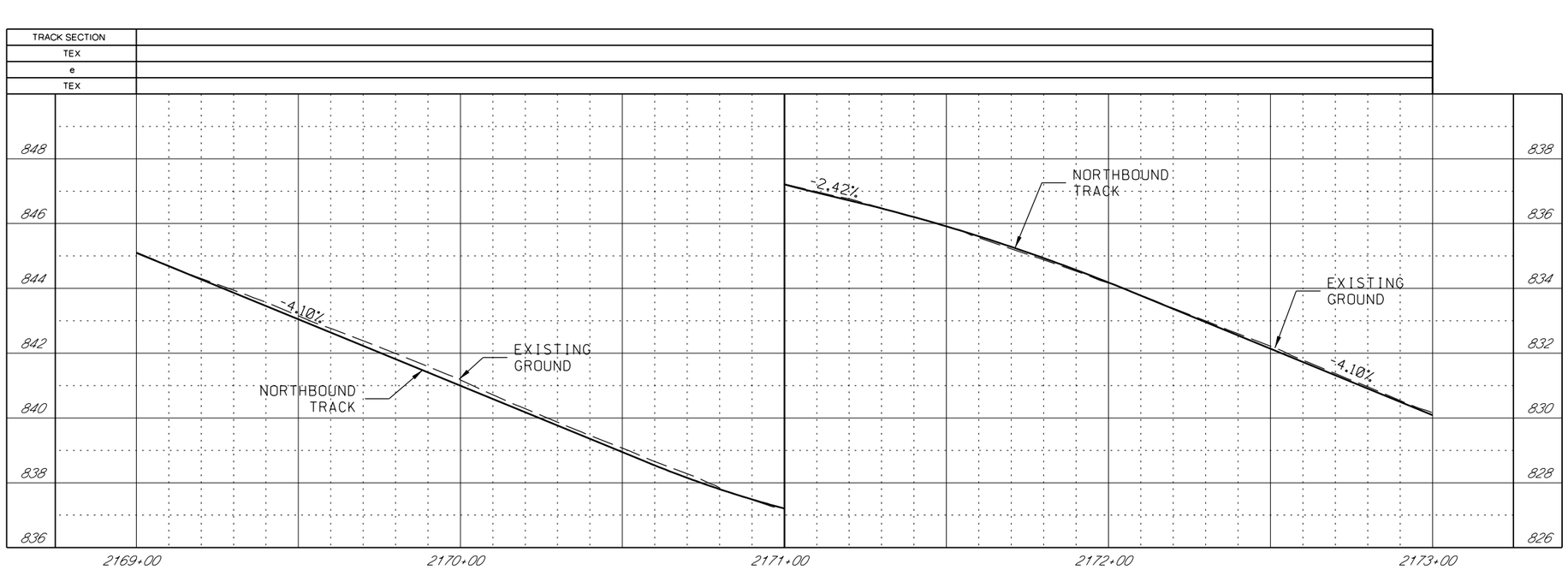
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1169+00 TO STA 1173+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K144.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	K144
SHEET NO.:	120



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:18 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2169+00 TO STA 2173+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K144A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K144A
SHEET NO.:	121

SCALE
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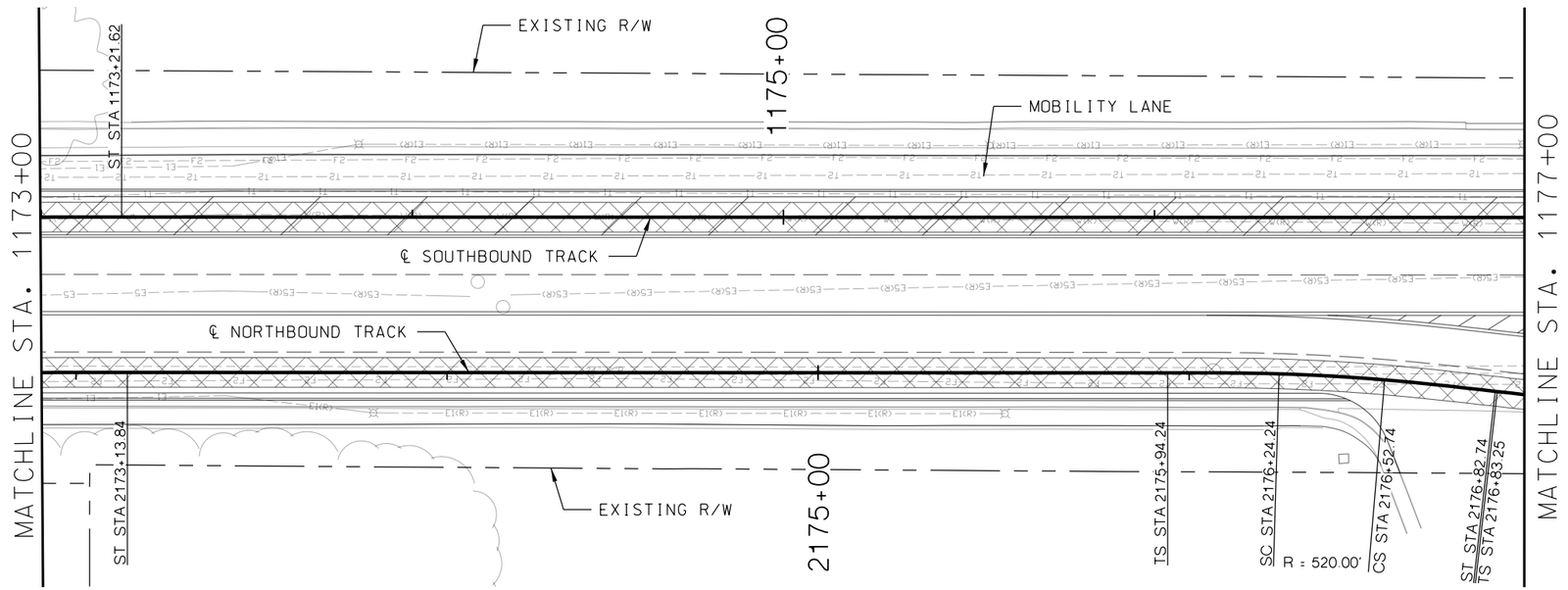
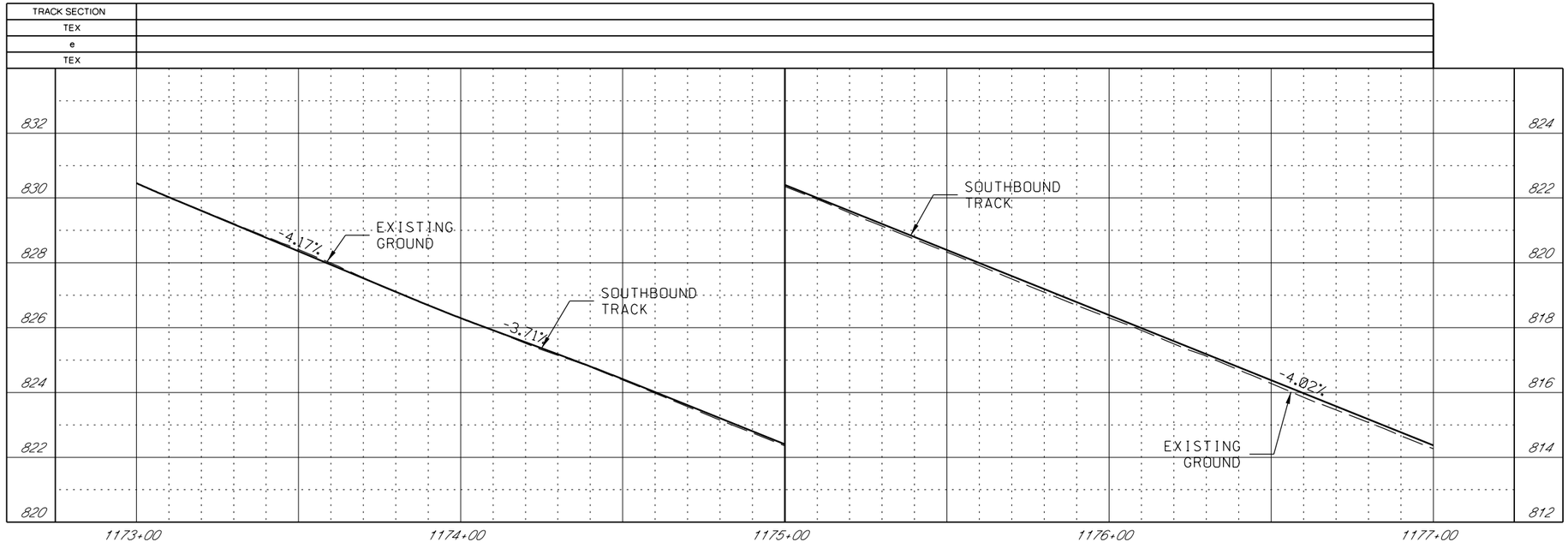




GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:27 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

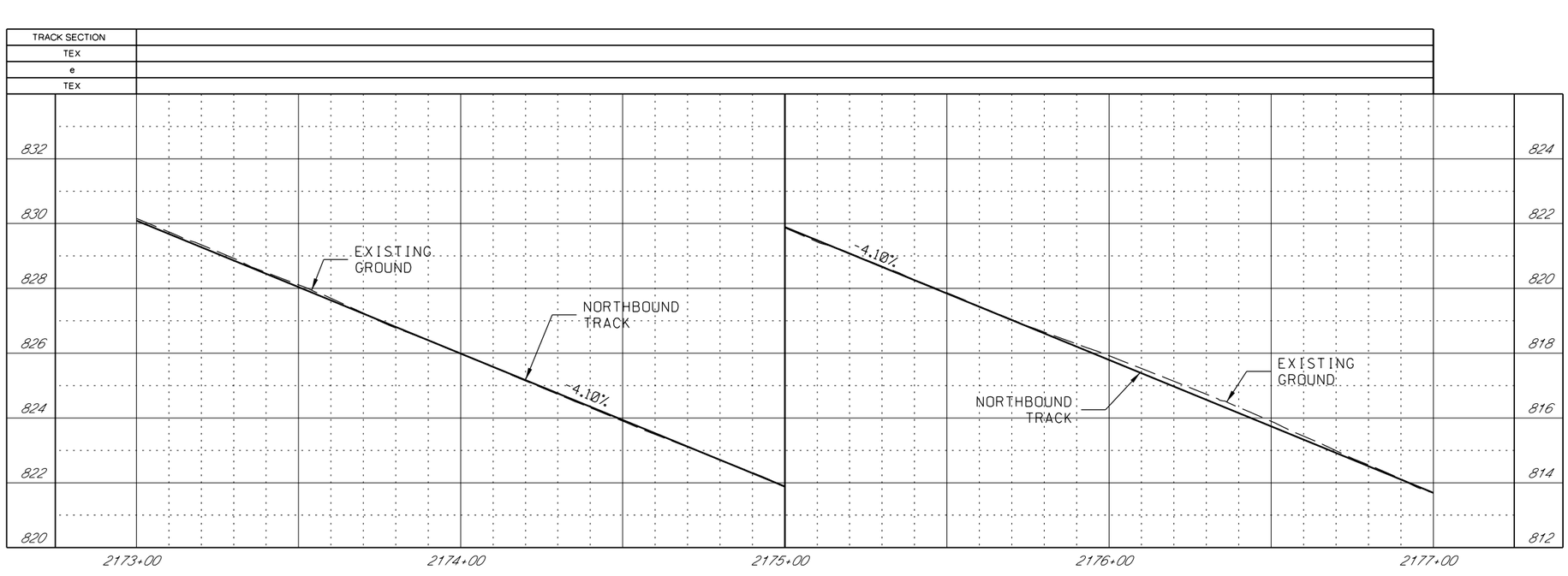
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1173+00 TO STA 1177+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K145.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K145
SHEET NO.:	122



GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:33 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

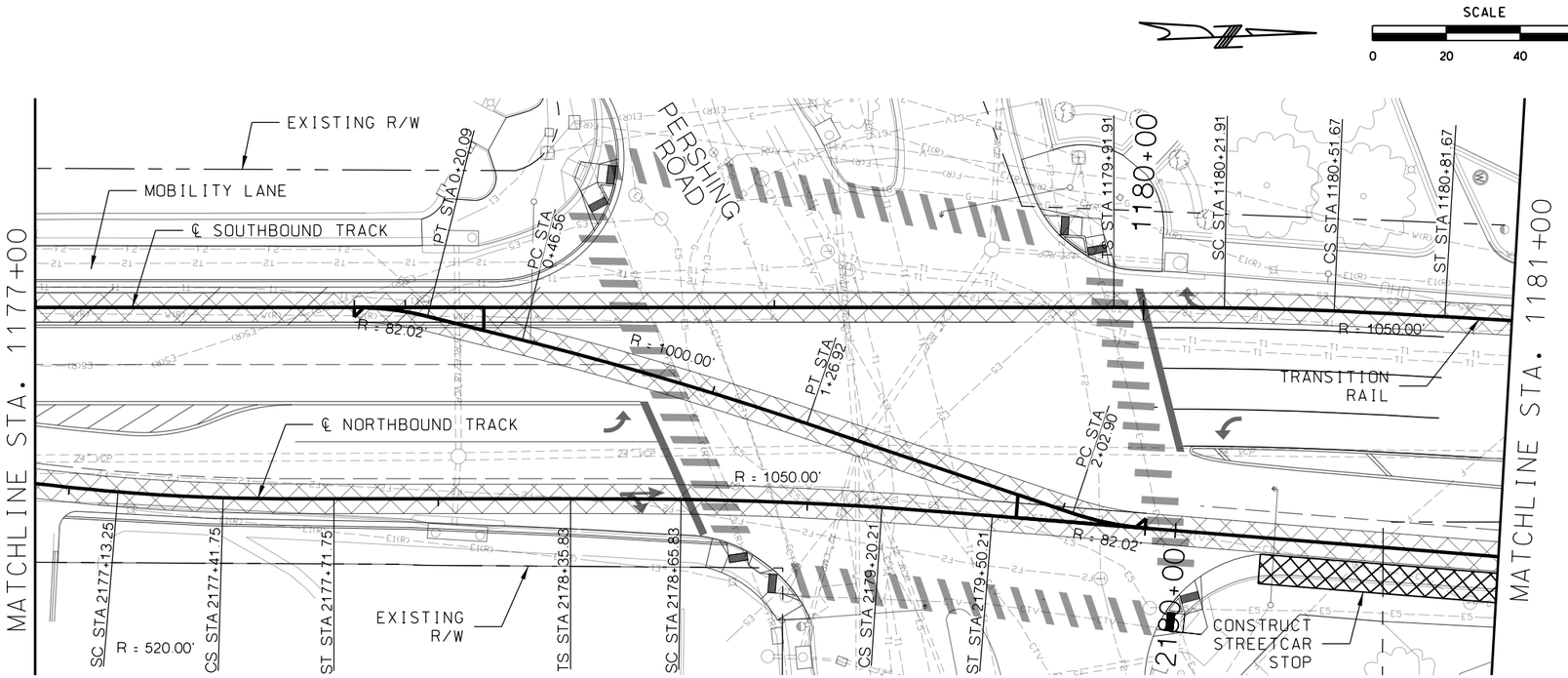
NOT FOR CONSTRUCTION

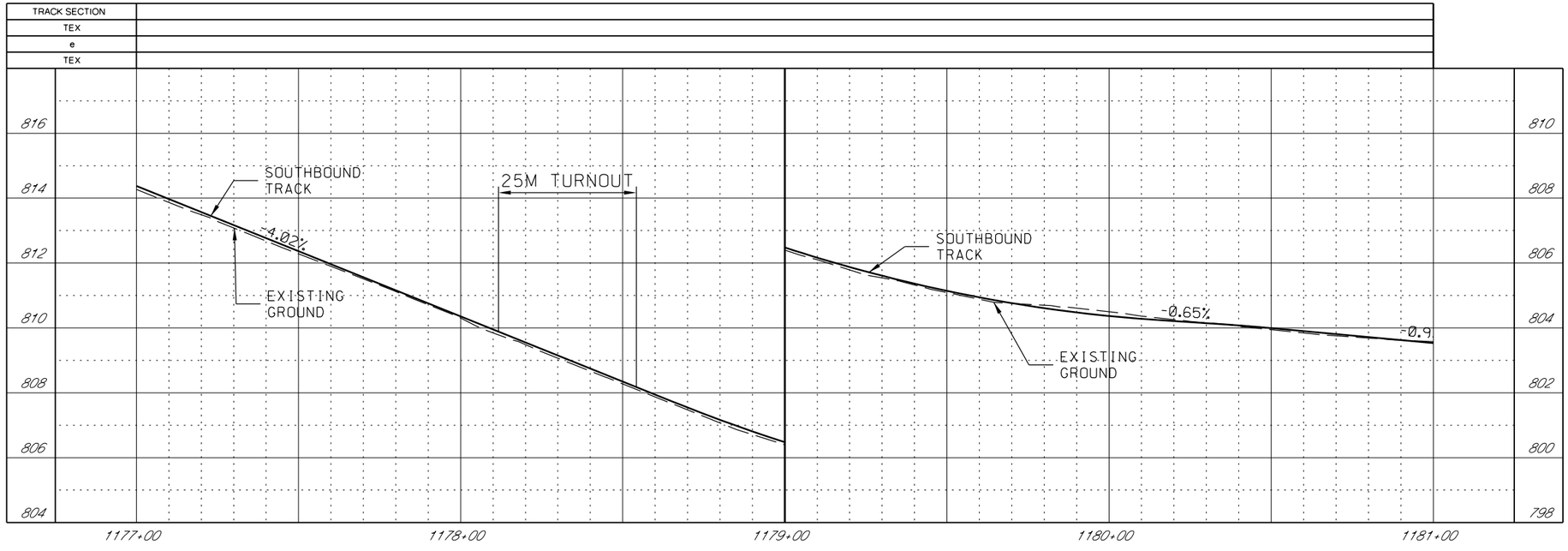
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2173+00 TO STA 2177+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K145A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K145A
SHEET NO.:	123

CONSTRUCTION NOTES





GENERAL NOTES

1. SEE DISCIPLINE SPECIFIC DRAWINGS FOR DETAILED INFORMATION ON CIVIL, TRAFFIC, SYSTEMS, AND DRAINAGE STRUCTURES.

2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

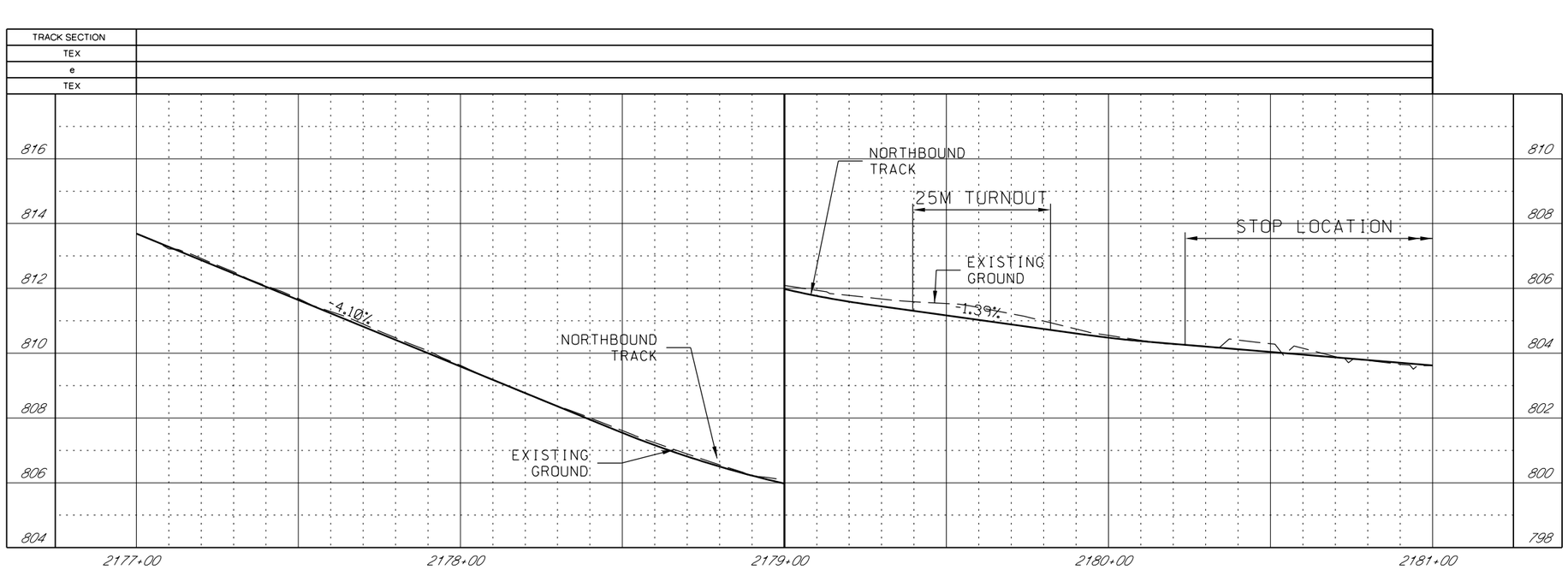
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
PERSHING ROAD
SB STA 1177+00 TO STA 1181+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K146.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K146
SHEET NO.:	124



GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

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4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:47 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

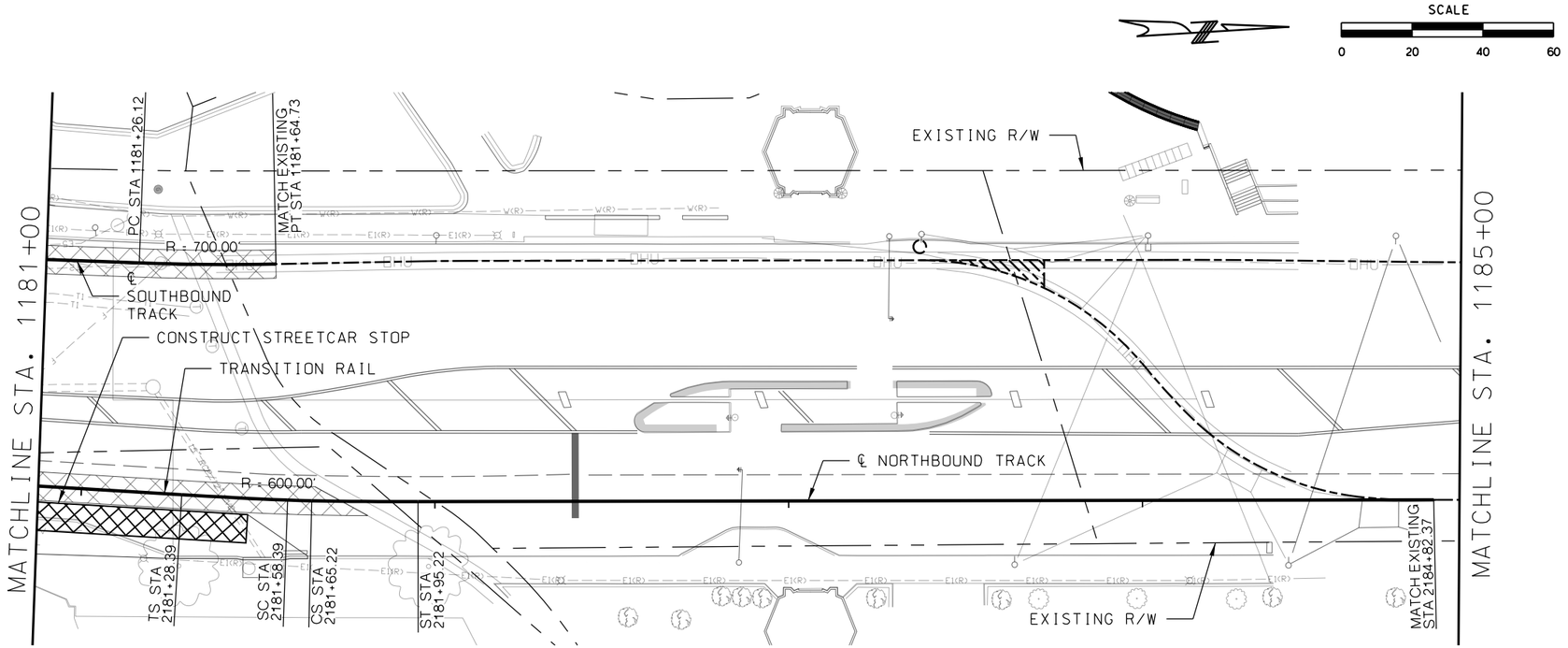
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

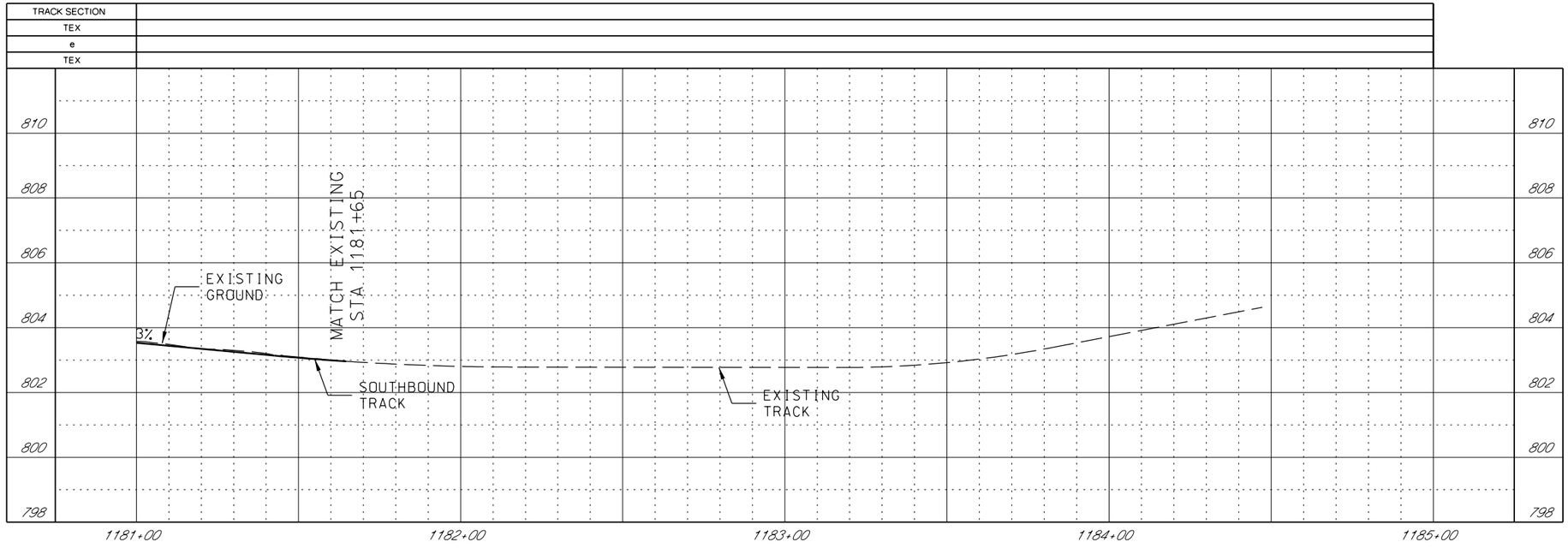
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
PERSHING ROAD
NB STA 2177+00 TO STA 2181+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K146A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K146A
SHEET NO.:	125





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4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:19:55 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

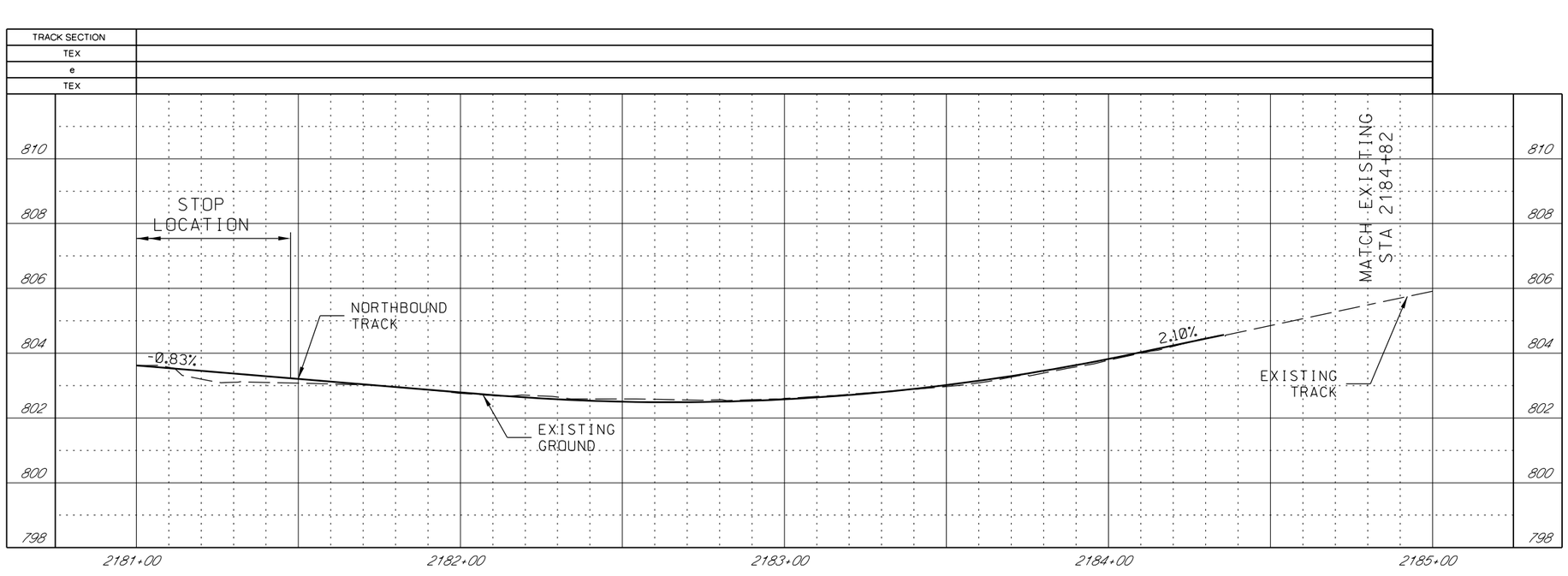
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND TRACK
PLAN AND PROFILE
SB STA 1181+00 TO STA 1185+00

SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K147.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	K147
SHEET NO.:	126



GENERAL NOTES

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2. ALL ELEVATIONS AND DIMENSIONS GIVEN ARE IN FEET UNLESS OTHERWISE NOTED.

3. ALL CURVES ARE BASED ON ARC DEFINITION.

4. PROFILES DESIGNED TO FINAL TOP OF RAIL ELEVATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:20:01 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

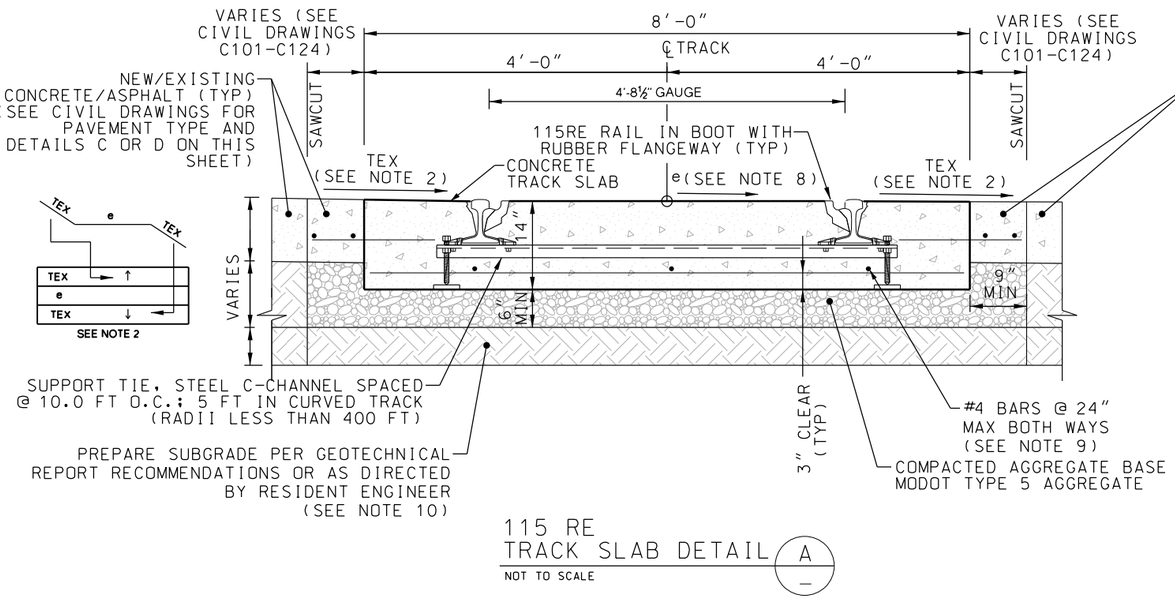
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

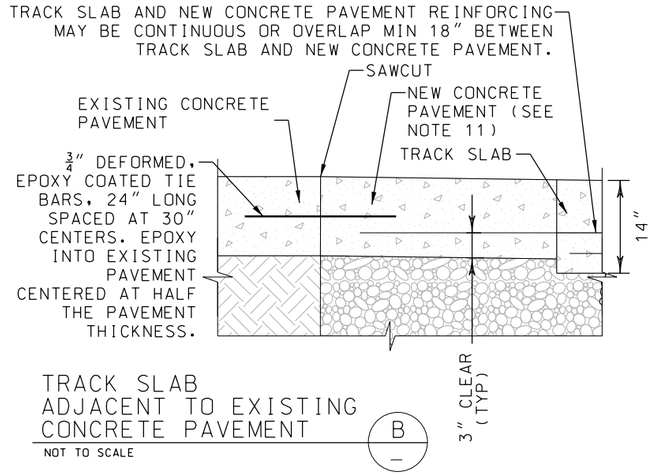
KANSAS CITY STREETCAR MAIN STREET EXTENSION

NORTHBOUND TRACK
PROFILE
NB STA 2181+00 TO STA 2185+00

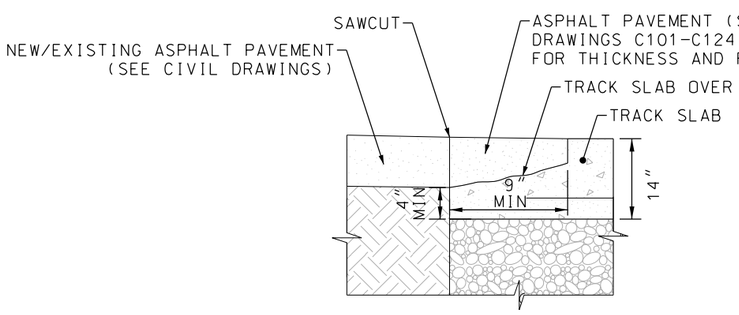
SCALE FOR 22"x34":	H: 1"=20' V: 1"=2'
FILENAME:	K147A.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K147A
SHEET NO.:	127



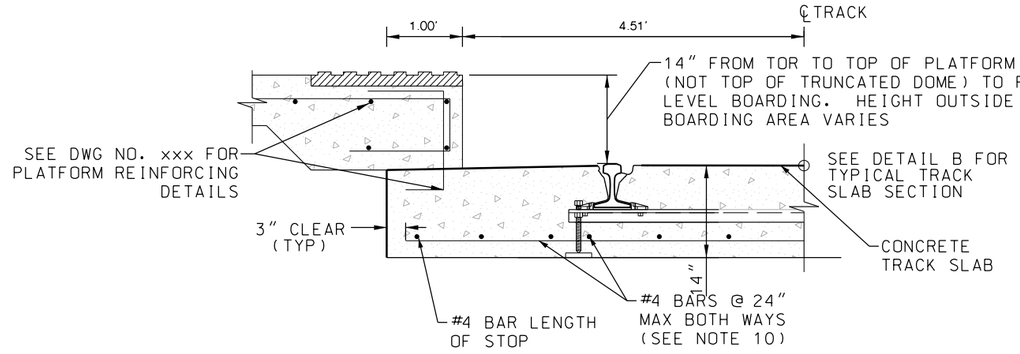
115 RE
TRACK SLAB DETAIL A
NOT TO SCALE



TRACK SLAB
ADJACENT TO EXISTING
CONCRETE PAVEMENT B
NOT TO SCALE



TRACK SLAB
ADJACENT TO EXISTING
ASPHALT PAVEMENT C
NOT TO SCALE



TRACK SLAB ADJACENT
TO STREETCAR STOP D
NOT TO SCALE

NOTES:

1. SEE CIVIL DRAWINGS FOR SAWCUT AND PAVING LIMITS.
2. TRACK EDGE CROSS-SLOPE (TEX) ARE SHOWN ON K100 SERIES DRAWINGS AND SHALL BE FIELD ADJUSTED TO MINIMIZE ROADWAY REGRADING. COORDINATE WITH ENGINEER FOR APPROVAL. CROSS-SLOPES ADJACENT TO TRAVEL LANES NOT TO EXCEED 5%, UNLESS ADJACENT TO PARKING LANE OR CURB, WITHOUT APPROVAL OF ENGINEER.
3. CONTRACTOR TO SUBMIT TRACK APPURTENANCES (GAUGE TIE, BOOT, FASTENERS, ETC.) FOR REVIEW AND APPROVAL BY ENGINEER PRIOR TO FABRICATION.
4. ALL TRACK SHALL HAVE ZERO CANT UNLESS OTHERWISE SPECIFIED.
5. REFER TO PROJECT GEOTECHNICAL REPORT FOR ENGINEERING RECOMMENDATIONS REGARDING UNSUITABLE MATERIAL. SUBMIT OVER EXCAVATION BACKFILL MATERIAL FOR REVIEW AND APPROVAL BY ENGINEER.
6. RESTRAINING RAIL REQUIRED FOR ALL HORIZONTAL CURVES WITH A RADIUS LESS THAN 400' FOR 115 RE TRACK.
7. SEE SYSTEM WIDE ELECTRICAL PLANS FOR THE REQUIRED SYSTEM ELEMENTS INCLUDING DUCT BANKS, INSULATED JOINTS, CROSS BONDING, NEGATIVE RETURN, AND OTHER SYSTEM APPURTENANCES THAT INTERFACE WITH TRACK/CIVIL WORK.
8. e IS THE CROSS SLOPE BETWEEN THE RAILS. 0% (TYP). SEE K101 TO K148 DRAWINGS FOR "e" VALUE
9. TIE NEEDS TO HAVE ADEQUATE WEEP HOLES. CONTRACTOR TO TAKE EXTRA CARE IN VIBRATING BELOW THE TIE TO ENSURE THERE IS FULL CONCRETE CONSOLIDATION ALL AROUND THE TIE.
10. SUBGRADE REQUIRED TO MEET COMPACTION REQUIREMENTS OUTLINED IN THE GEOTECHNICAL REPORT.
11. WHERE ADJACENT TO CONCRETE PAVEMENT CONTRACTOR MAY POUR ROADWAY PAVEMENT MONOLITHICALLY WITH TRACK SLAB.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:26:53 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

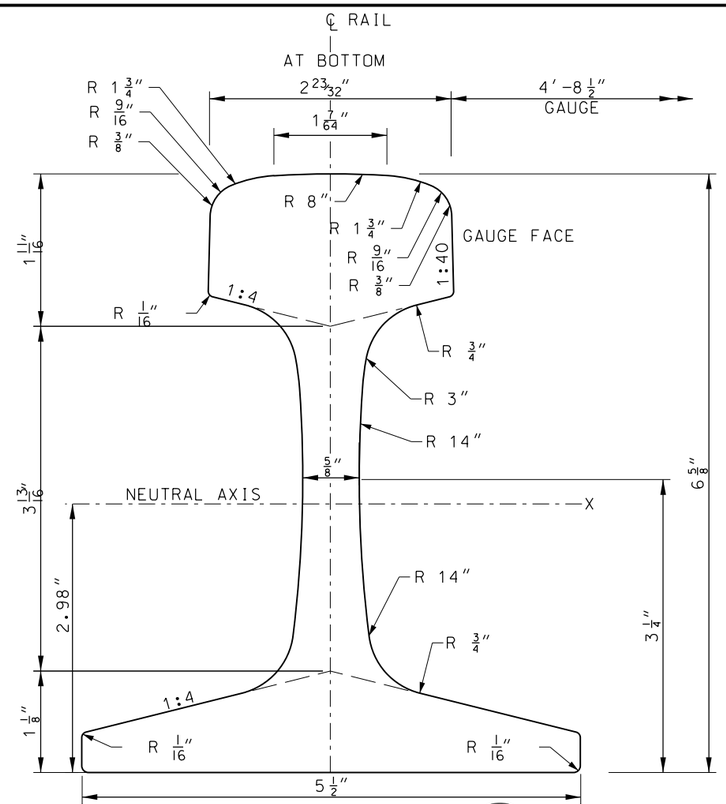
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

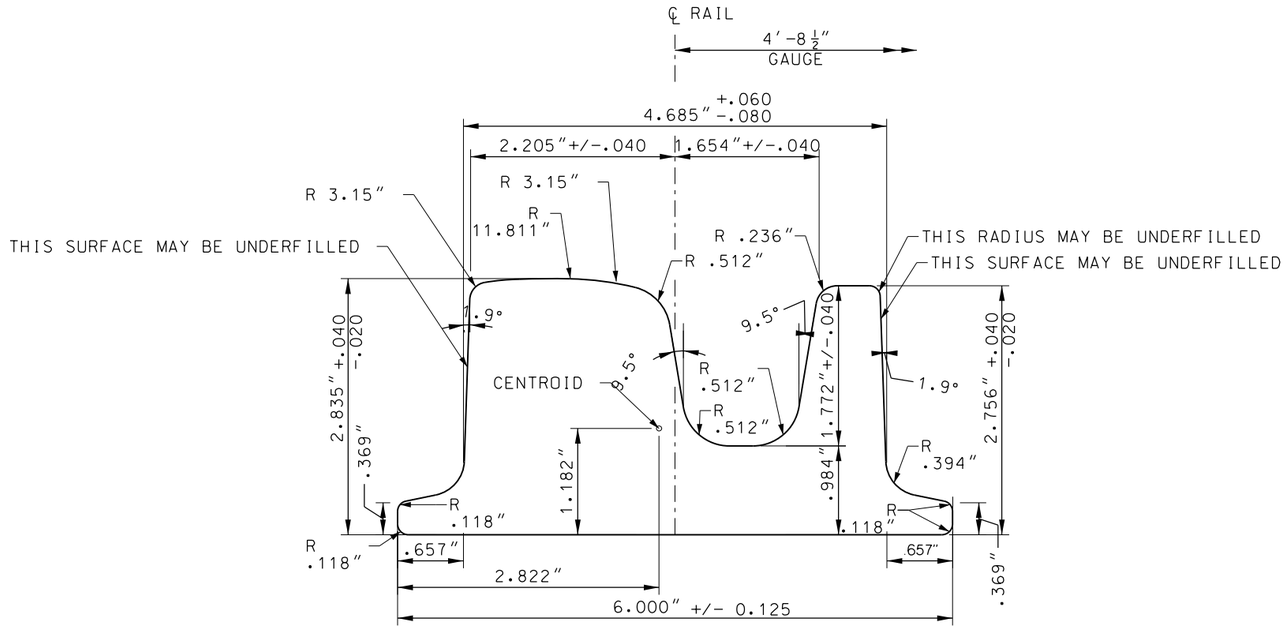
TRACK SLAB DETAILS

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	K901.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K901
SHEET NO.:	128



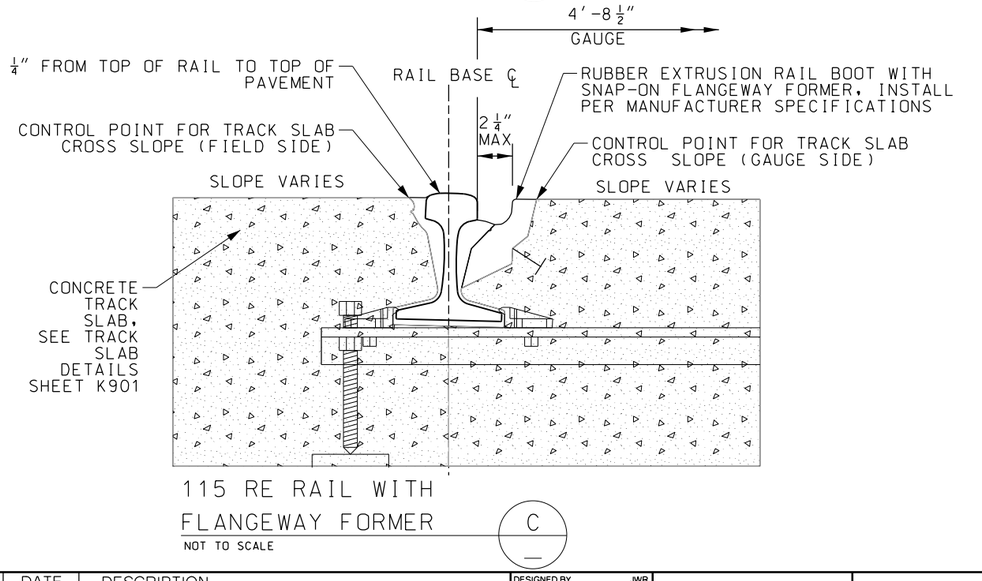
115 RE RAIL SECTION (A)

NOT TO SCALE



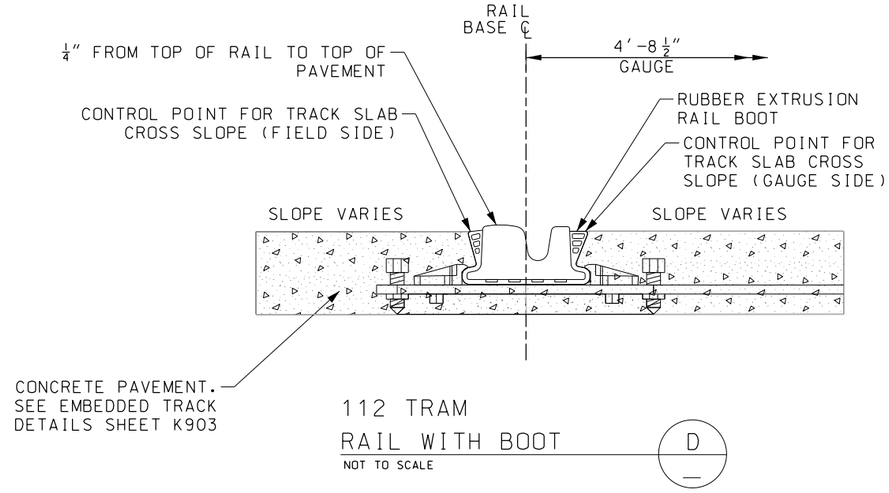
112 TRAM RAIL SECTION (B)

NOT TO SCALE



115 RE RAIL WITH FLANGEWAY FORMER (C)

NOT TO SCALE



112 TRAM RAIL WITH BOOT (D)

NOT TO SCALE

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:27:01 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
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816-360-2700
Certificate of Authority: 000856

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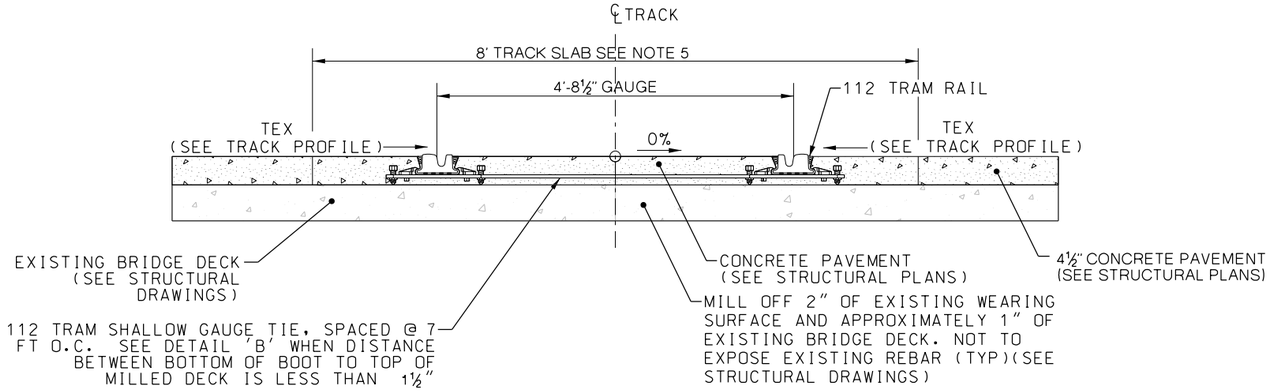
KANSAS CITY STREETCAR MAIN STREET EXTENSION

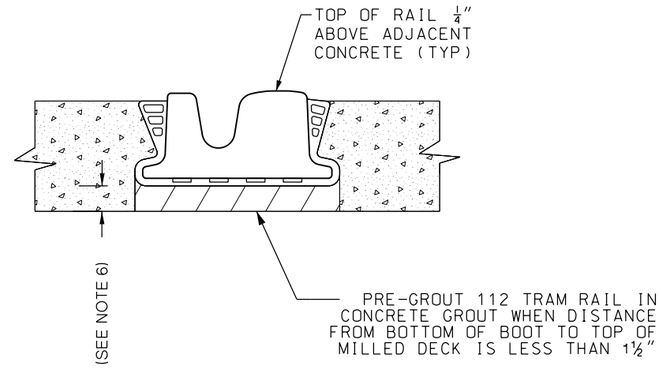
115 RE AND 112 TRAM RAIL SECTIONS

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	K902.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	K902
SHEET NO.:	129



112 TRAM EMBEDDED TRACK ON STRUCTURE — A

NOT TO SCALE



PRE-GROUTED 112 TRAM RAIL ON STRUCTURE — B

NOT TO SCALE

NOTES:

1. DIMENSIONS AND MINIMUM CLEARANCES NOTED IN DETAIL ARE APPROXIMATE AND SHOULD BE UPDATED IN FINAL APPROVED SHOP DRAWINGS PRIOR TO INSTALLATION.
2. TRACK GAUGE IS MEASURED AT $\frac{5}{8}$" BELOW TOP OF RAIL AND FROM THE GAUGE FACE TO GAUGE FACE
3. SHALLOW GAUGE TIE SHOULD BE RIGID ENOUGH TO MAINTAIN LINE, GRADE, AND GAUGE OF THE RAIL. GAUGE TIE SHALL BE NO GREATER THAN $\frac{1}{2}$" THICK AND 3" WIDE. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY ENGINEER.
4. CONTRACTOR TO SUBMIT INSTALLATION PLAN FOR HOLDING GAUGE IN ELASTOMERIC GROUT TROUGH TO ENGINEER FOR REVIEW AND APPROVAL.
5. TRACK SLAB LIMITS ON STRUCTURE SHOWN FOR PAY LIMITS. CONTRACTOR MAY POUR BRIDGE PAVEMENT MONOLITHICALLY WITH TRACK SLAB.
6. PRE-GROUTED RAIL SHALL BE INSTALLED PER MANUFACTURES REQUIREMENTS. MINIMUM DEPTH OF GROUT TO BE VERIFIED BY MANUFACTURER PRIOR TO INSTALLATION AND APPROVED BY ENGINEER.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:27:09 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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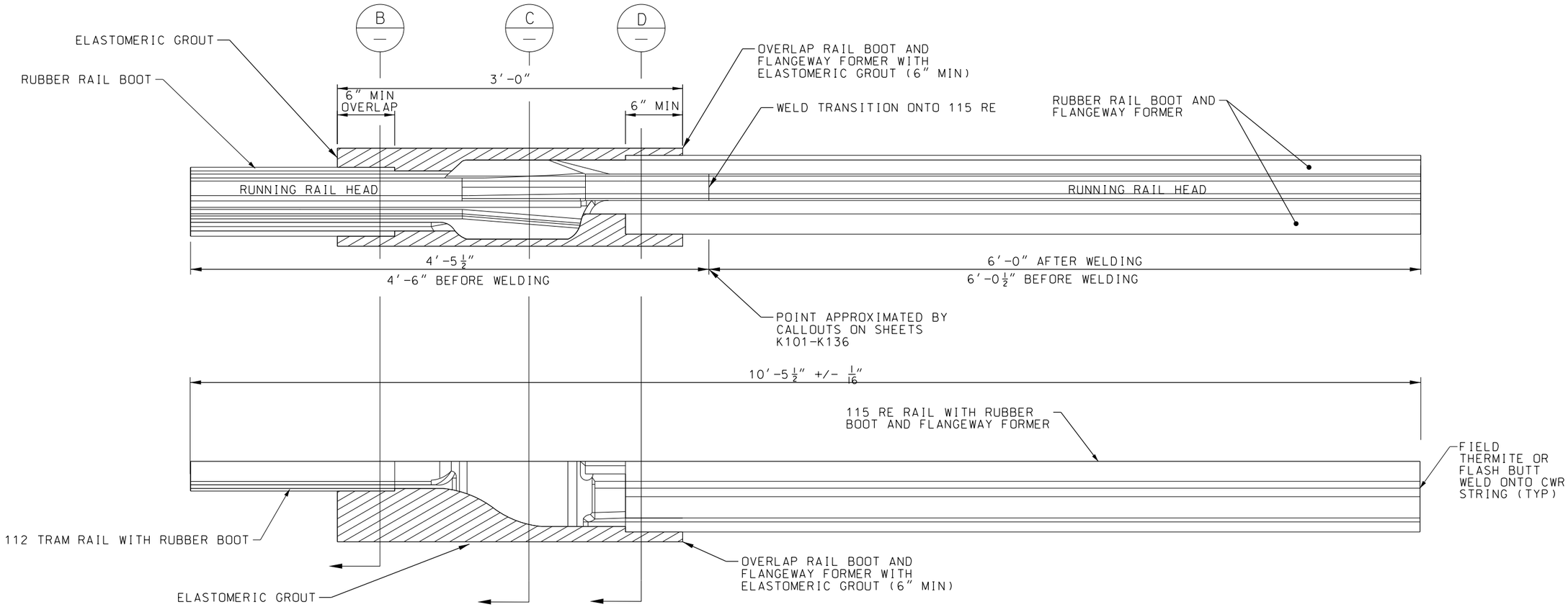
KANSAS CITY STREETCAR MAIN STREET EXTENSION

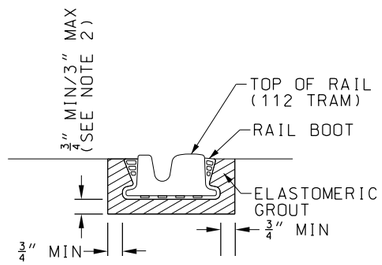
TRACK SLAB ON STRUCTURE

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	K903.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K903
SHEET NO.:	130



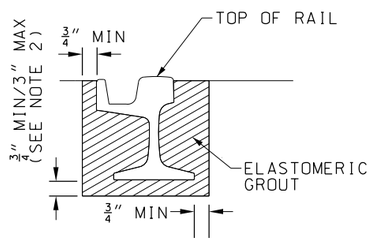
TRANSITION RAIL PLAN AND ELEVATION A

NOT TO SCALE



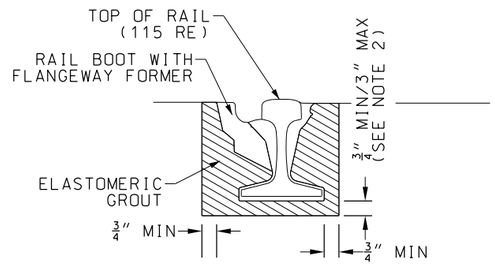
SECTION B

NOT TO SCALE



SECTION C

NOT TO SCALE



SECTION D

NOT TO SCALE

NOTES:

1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY ENGINEER PRIOR TO MANUFACTURING TRANSITION RAIL.
2. A MINIMUM OF 7" CONCRETE DEPTH BELOW ELASTOMERIC GROUT REQUIRED.
3. CONTRACTOR TO FOLLOW ELASTOMERIC GROUT MANUFACTURER'S RECOMMENDATION FOR INSTALLATION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:27:16 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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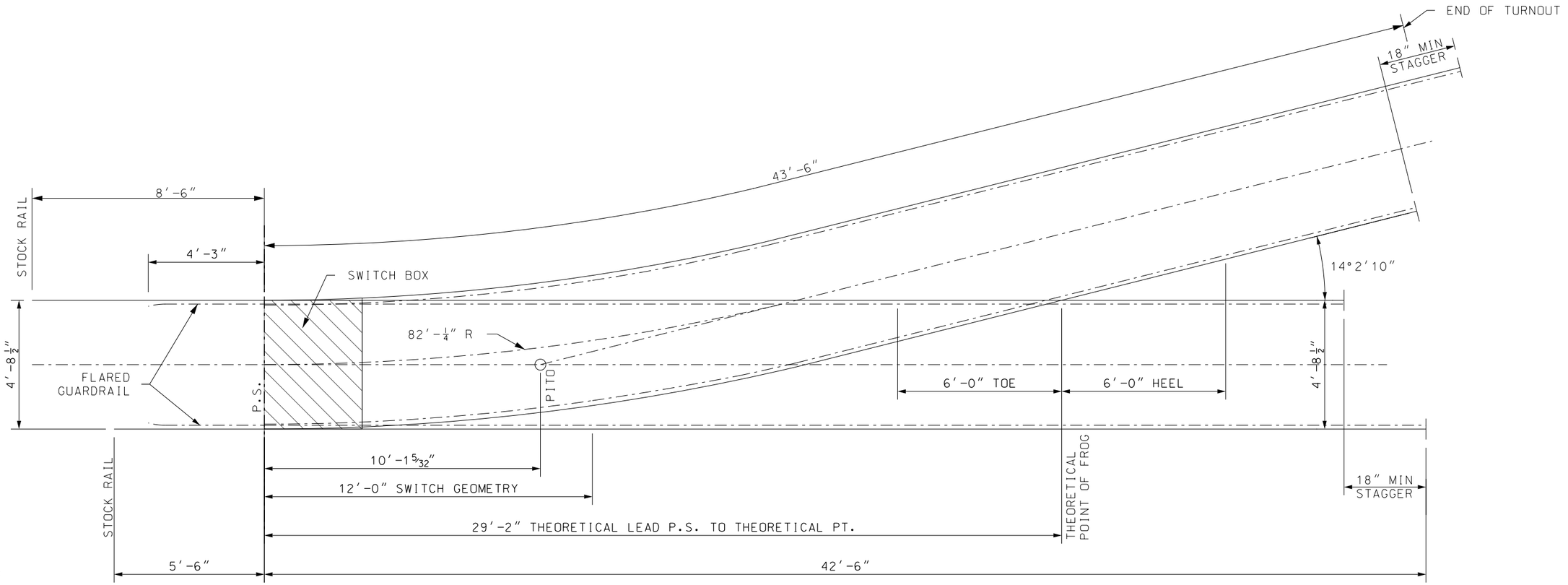
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

TRANSITION RAIL

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	K904.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	K904
SHEET NO.:	131



25M STRAIGHT FROG TURNOUT (A)

NOT TO SCALE

NOTES:

1. THE SWITCH WILL BE POWERED OR MANUAL (SEE SYSTEMS PLANS) WITH ACCOMMODATION FOR POINT DETECTION. THE SWITCH MUST BE TRAILABLE WITH A SPRING AND RETURN MECHANISM (OR OTHER APPROVED MECHANISM). SWITCH MECHANISM AND EARTH BOX SHALL BE INSULATED FOR SIGNALING CIRCUITS.
2. ALL JOINTS AND CONNECTIONS TO BE FIELD WELDED UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE IN FEET AND INCHES.
4. TURNOUT TO BE FULLY INSULATED FOR ELECTRICAL ISOLATION PROVIDED THROUGH ENCAPSULATION PER MANUFACTURER AND MATERIAL SUPPLIER SPECIFICATIONS AND APPROVED BY ENGINEER. ISOLATION SHALL SATISY RESISITVITY REQUIREMENTS PER SPECIFICATIONS.
5. SWITCH MACHINE SHALL BE CENTERED BETWEEN TONGUE SWITCHES AFTER GEOMETRY DIMENSIONS AND TOLERANCES HAVE BEEN SATISFIED.
6. ALL GAUGE RODS SHALL BE DRILLED AND SECURED TO TURNOUT AFTER GEOMETRY DIMENSIONS AND TOLERANCES HAVE BEEN SATISFIED.
7. SWITCH BOX DRAIN TO BE CONNECTED TO OVERALL DRAINAGE NETWORK. PROVIDE POWERED CONNECTIONS FOR SWITCH HEATERS AND POWER SWITCHES.
8. EARTHBOX MACHINE AND SWITCH HEATER BOXES SHALL BE DESIGNED FOR HS20 LOADING.
9. LEFT-HAND TURNOUT SHOWN, RIGHT-HAND IS MIRROR IMAGE.
10. FROG SHALL BE FLANGE BEARING WELDED BOLTLESS MANGANESE.
11. SEE TRAIN CONTROL DRAWINGS FOR INSULATED JOINT LOCATION AND LAYOUT.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:27:31 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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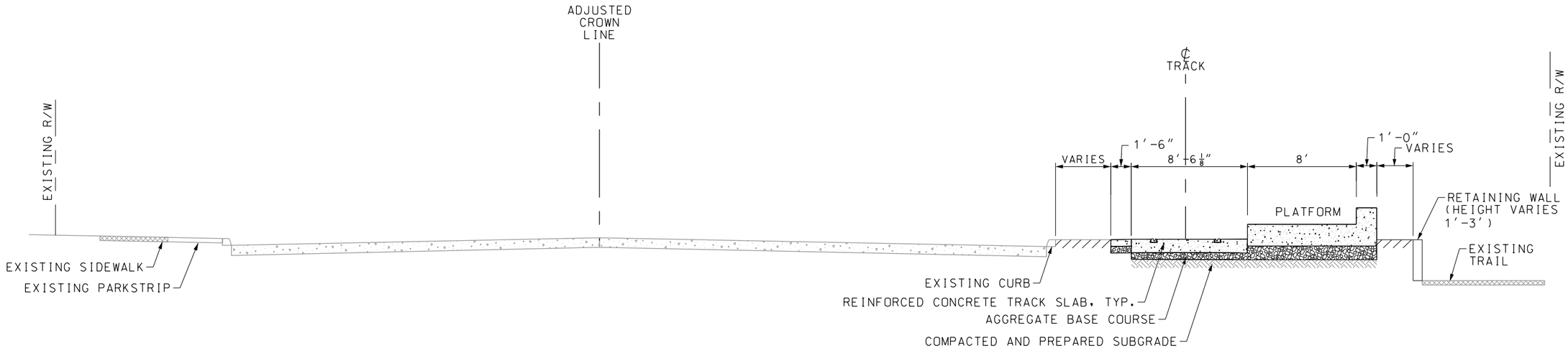
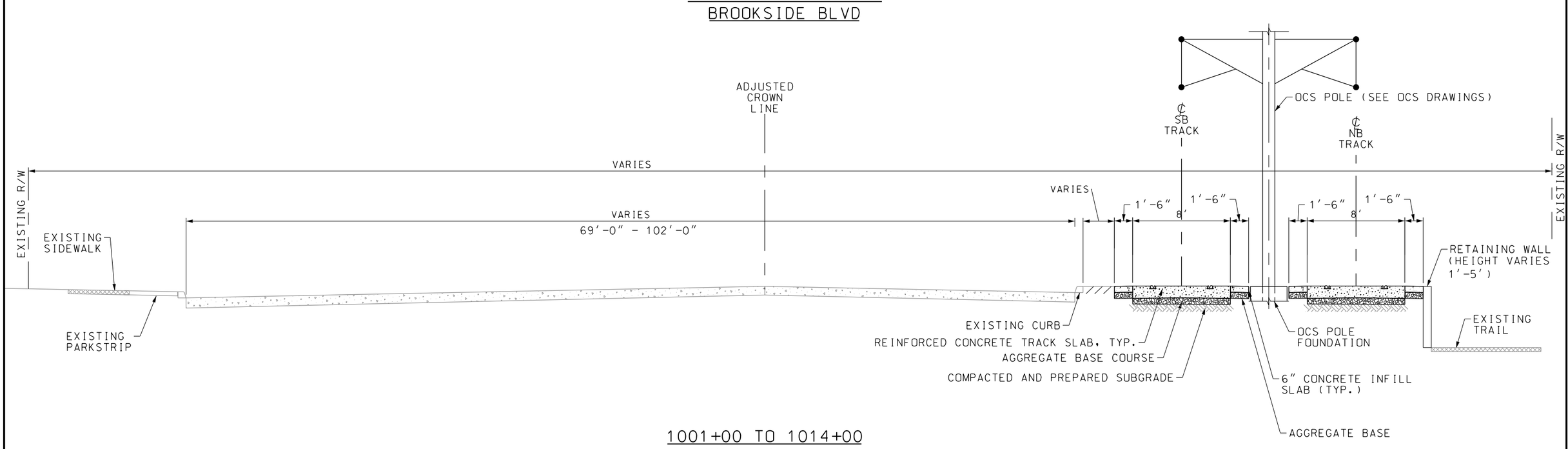
KANSAS CITY STREETCAR MAIN STREET EXTENSION

25 M TURNOUT - STRAIGHT FROG

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	K905.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	K905
SHEET NO.:	132



1000+00 TO 1001+00
BROOKSIDE BLVD



1001+00 TO 1014+00
BROOKSIDE BLVD

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:43:32 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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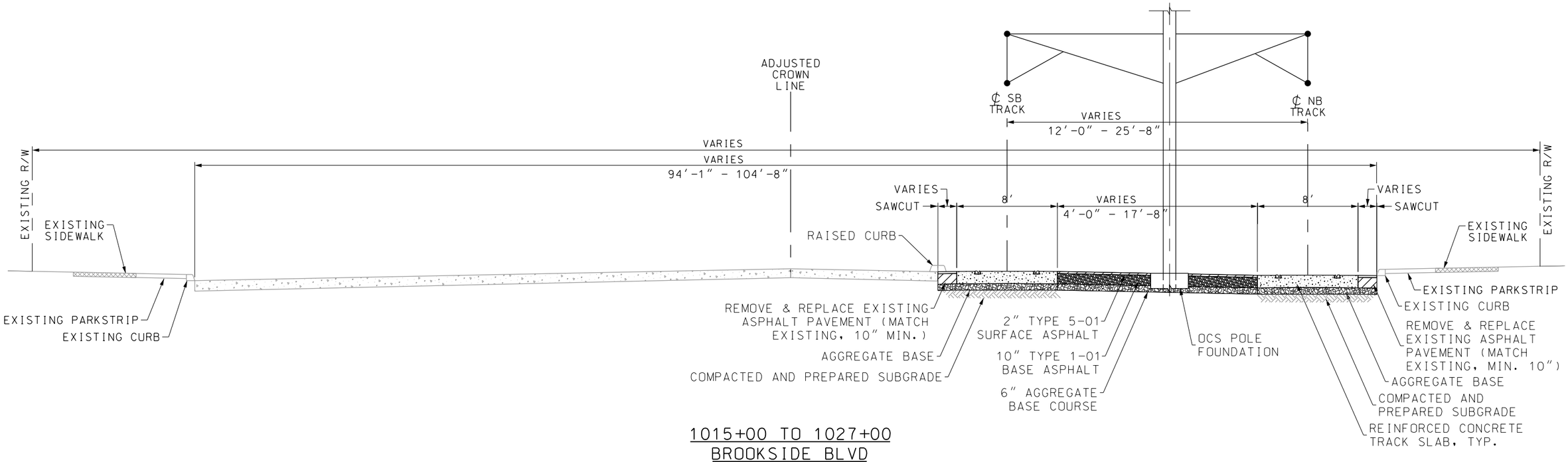
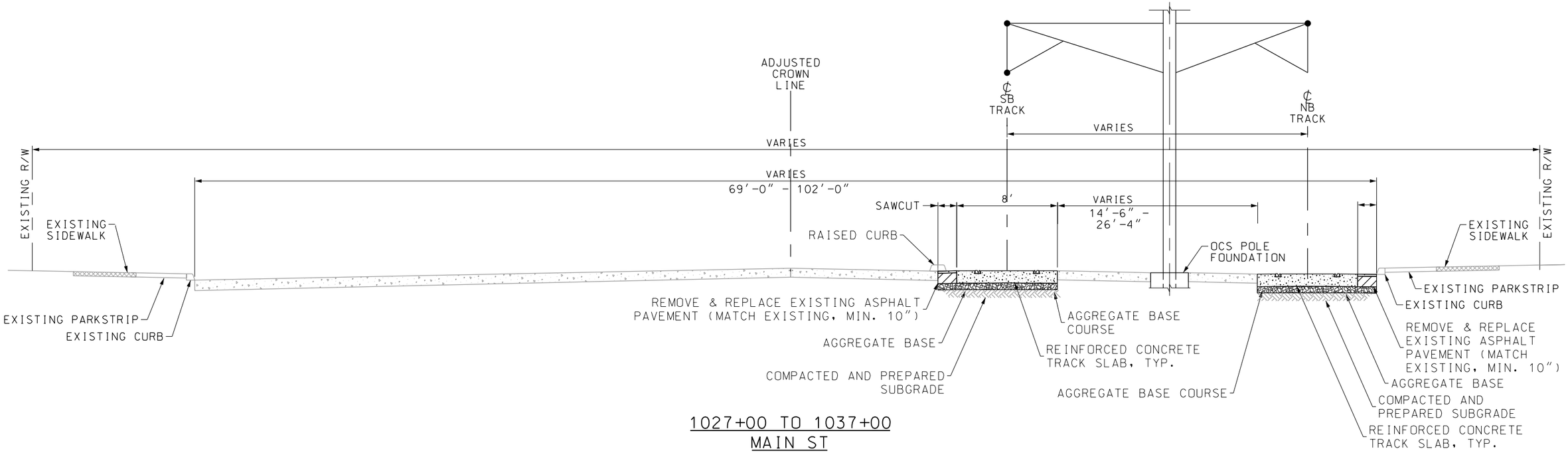
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL SECTIONS
SHEET 1 OF 5

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	C001.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C001
SHEET NO.:	133



1015+00 TO 1027+00
BROOKSIDE BLVD



1027+00 TO 1037+00
MAIN ST

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:44:11 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Certificate of Authority: 000856

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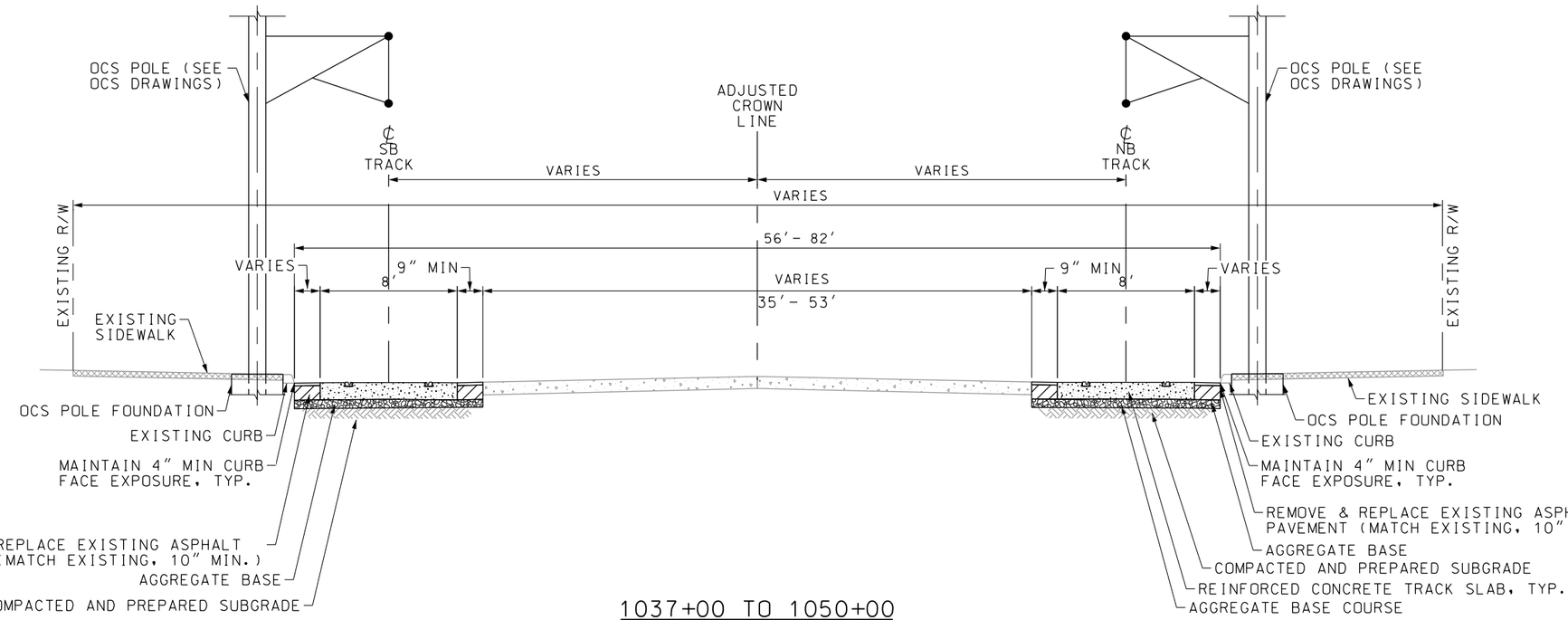
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL SECTIONS
SHEET 2 OF 5

SCALE FOR 22″x34″:	NOT TO SCALE
FILENAME:	C002.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C002
SHEET NO.:	134



1037+00 TO 1050+00
1069+00 TO 1075+00
1090+00 TO 1095+00
MAIN STREET

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:30:13 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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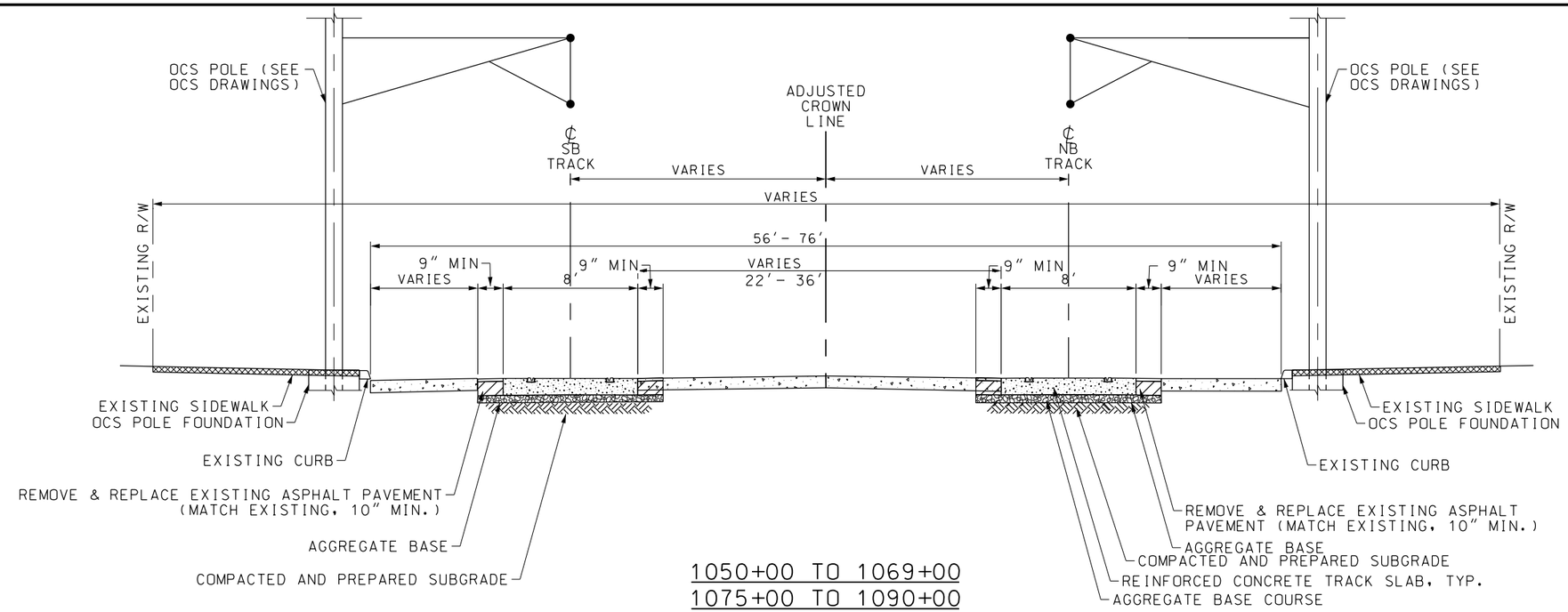
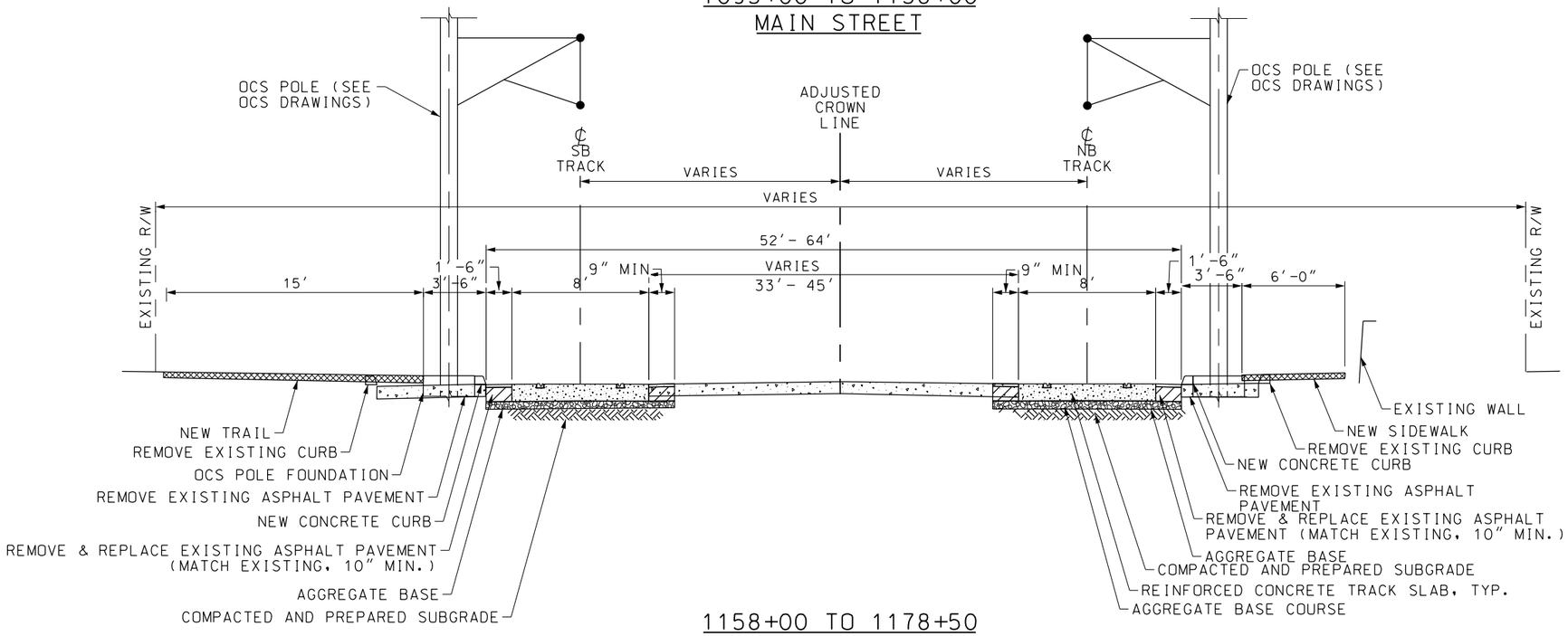
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL SECTIONS
SHEET 3 OF 5

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	C003.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C003
SHEET NO.:	135



1050+00 TO 1069+00
1075+00 TO 1090+00
1095+00 TO 1158+00
MAIN STREET



1158+00 TO 1178+50
MAIN STREET

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:30:19 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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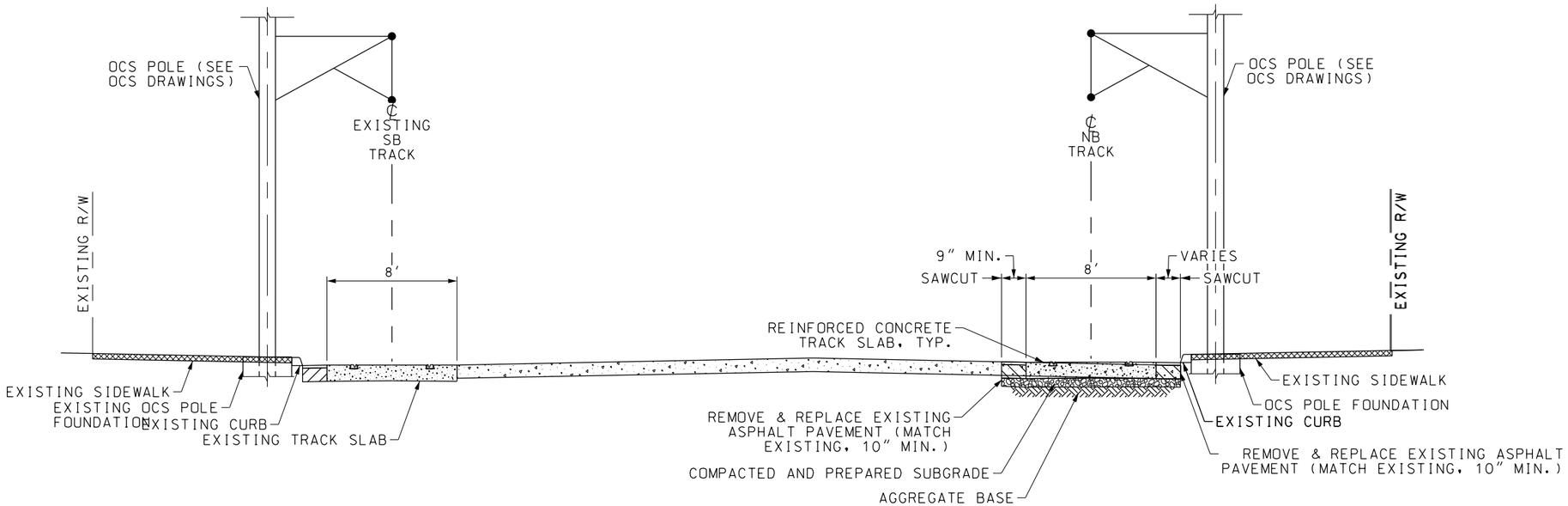
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL SECTIONS
SHEET 4 OF 5

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	C004.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C004
SHEET NO.:	136



1180+00 TO 1181+50
MAIN ST

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:30:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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816-360-2700
Certificate of Authority: 000856

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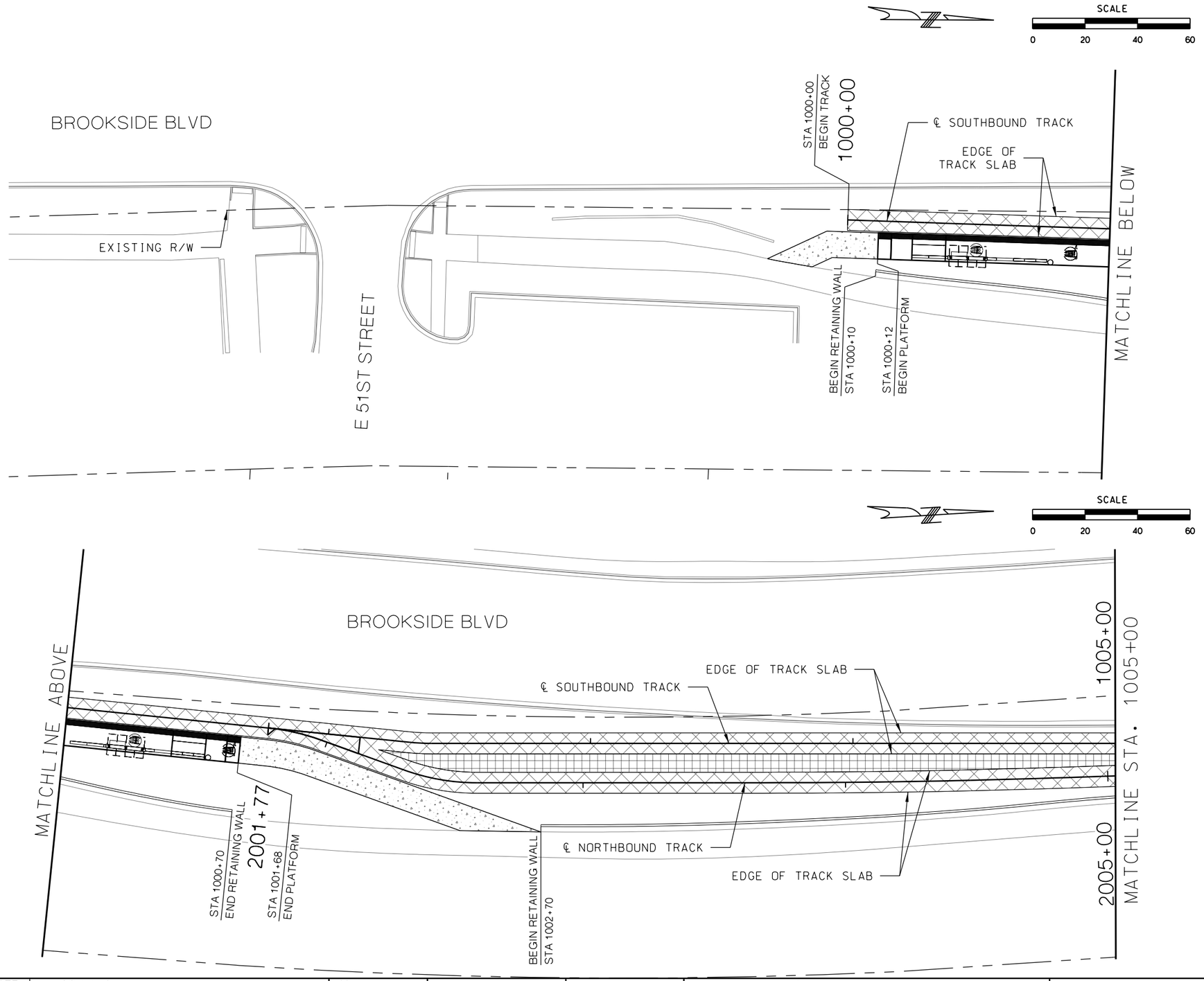
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL SECTIONS
SHEET 5 OF 5

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	C005.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C005
SHEET NO.:	137

CONSTRUCTION NOTES



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:18 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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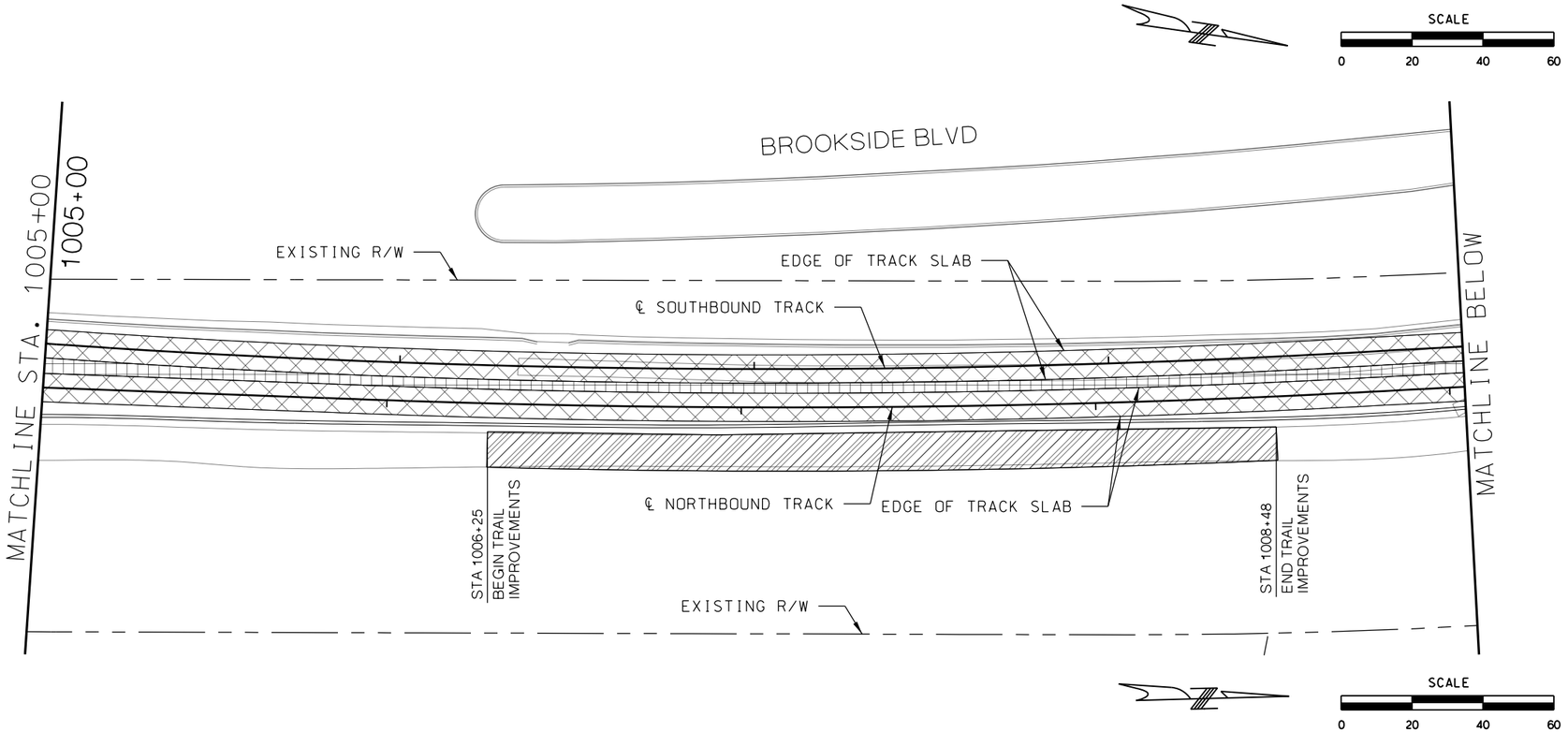
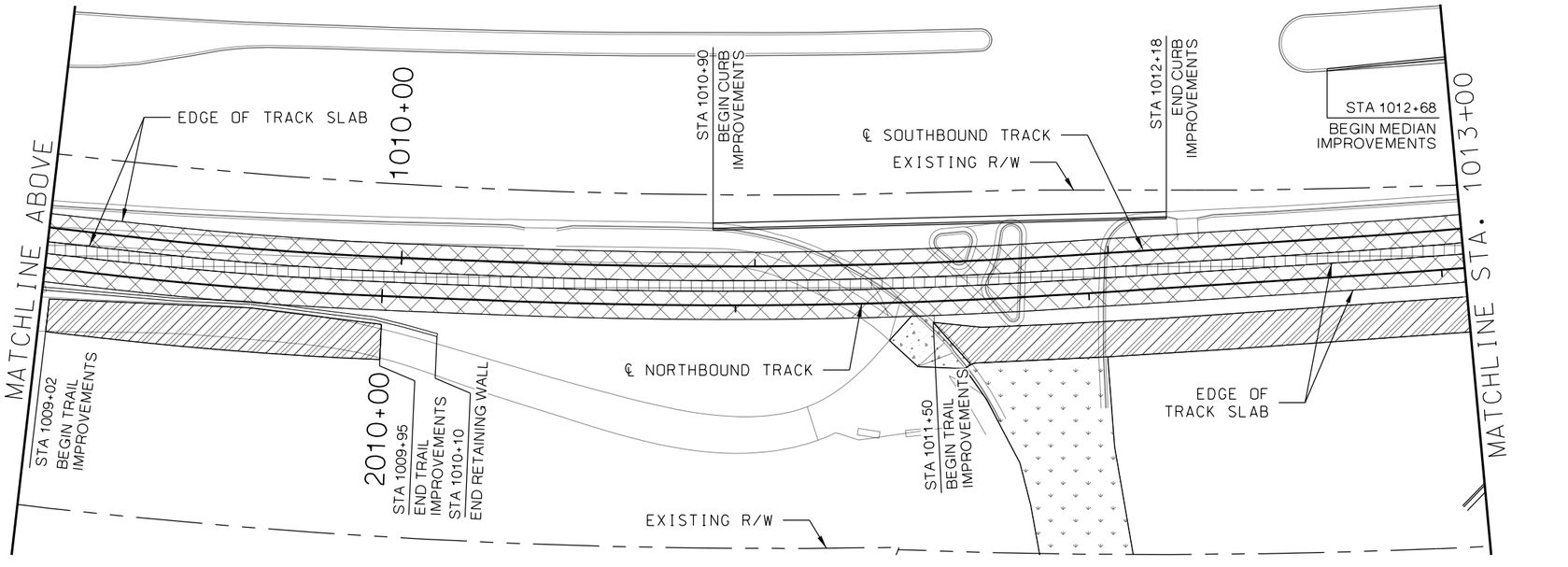
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA BEGIN TO STA 1001+00
STA 1001+00 TO STA 1005+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C101.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C101
SHEET NO.:	138





LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY
- LANDSCAPE

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:24 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
Kansas City, MO 64131-3471
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Certificate of Authority: 000856

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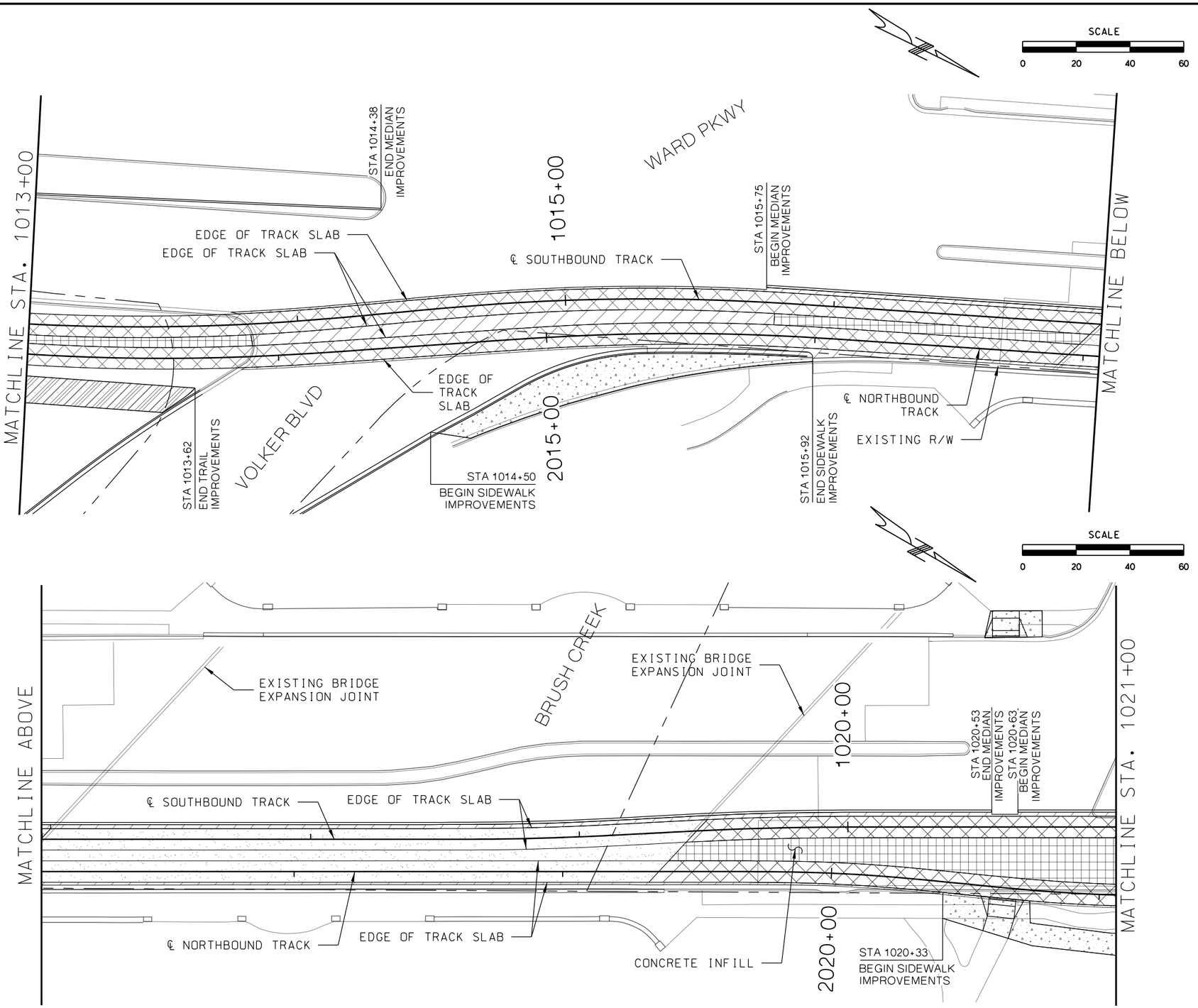
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1005+00 TO STA 1009+00
STA 1009+00 TO STA 1013+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C102.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C102
SHEET NO.:	139

CONSTRUCTION NOTES



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:30 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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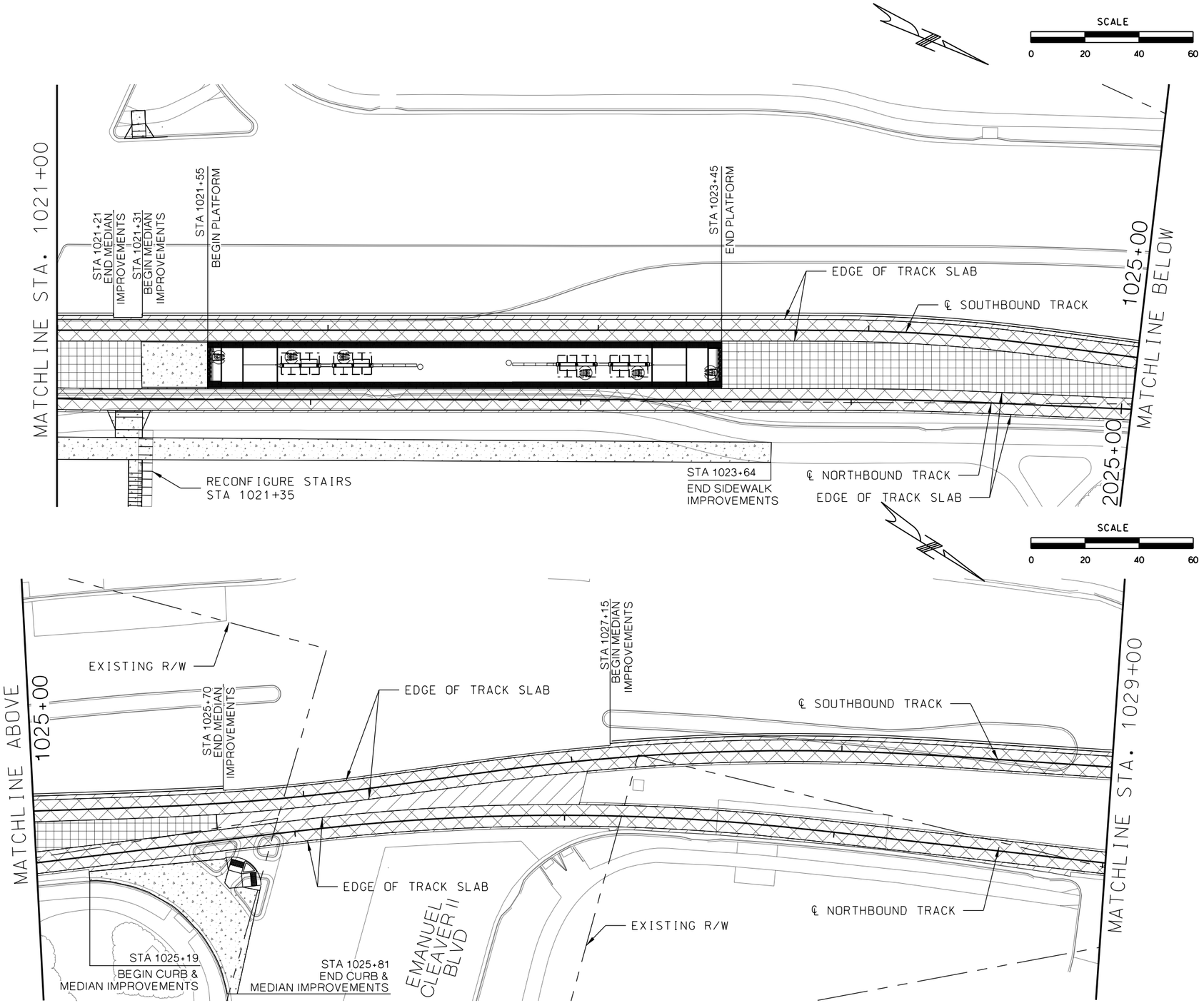
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1013+00 TO STA 1017+00
STA 1017+00 TO STA 1021+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C103.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C103
SHEET NO.:	140

CONSTRUCTION NOTES



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:36 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

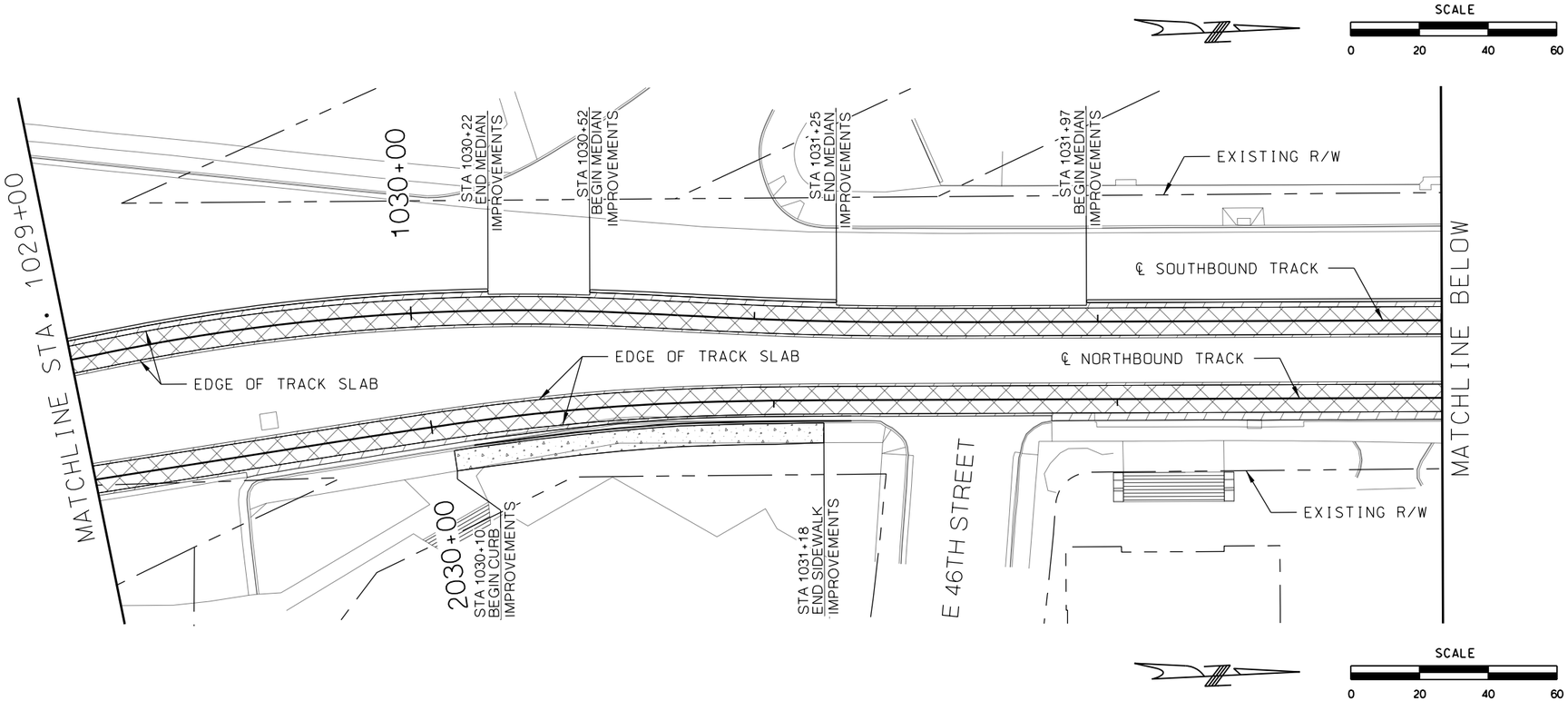
NOT FOR CONSTRUCTION

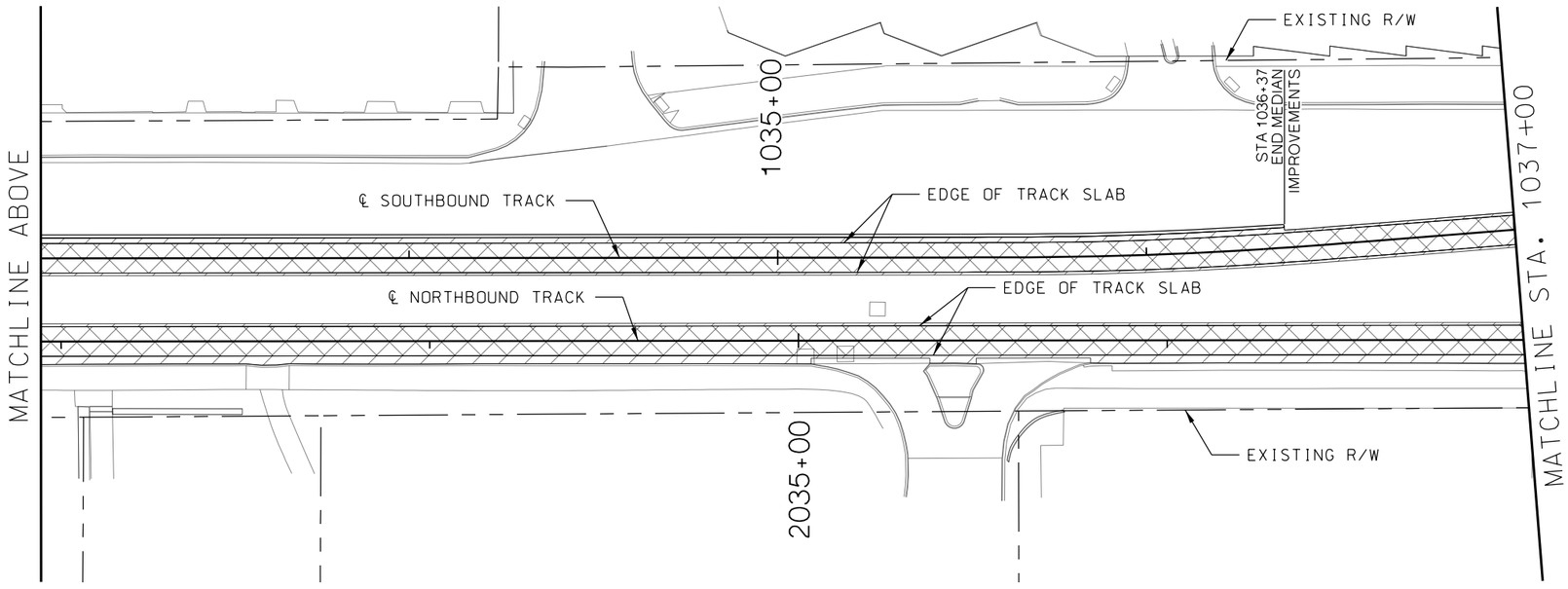
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1021+00 TO STA 1025+00
STA 1025+00 TO STA 1029+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: C104.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: C104	SHEET NO.: 141

CONSTRUCTION NOTES





LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:41 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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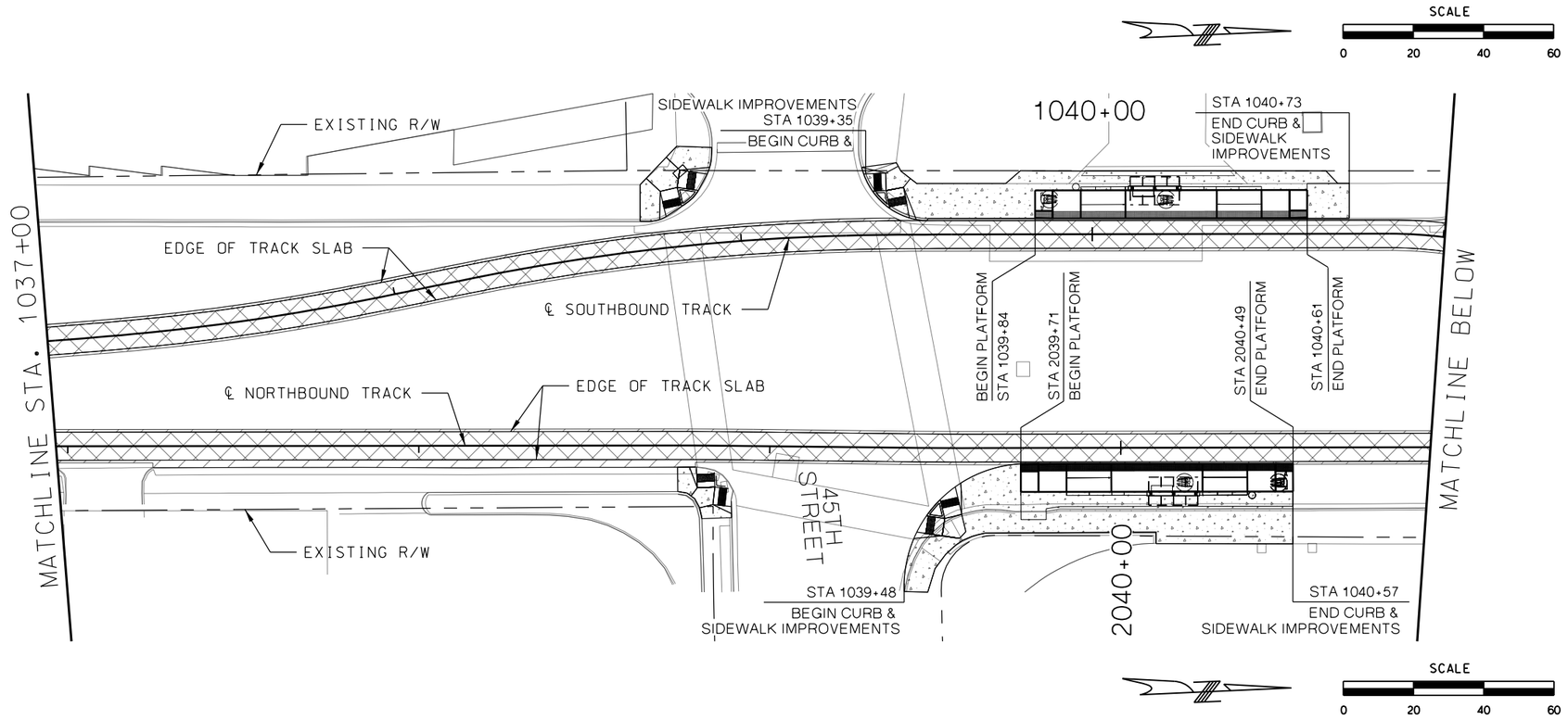
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1029+00 TO STA 1033+00
STA 1033+00 TO STA 1037+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C105.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C105
SHEET NO.:	142

CONSTRUCTION NOTES



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:49 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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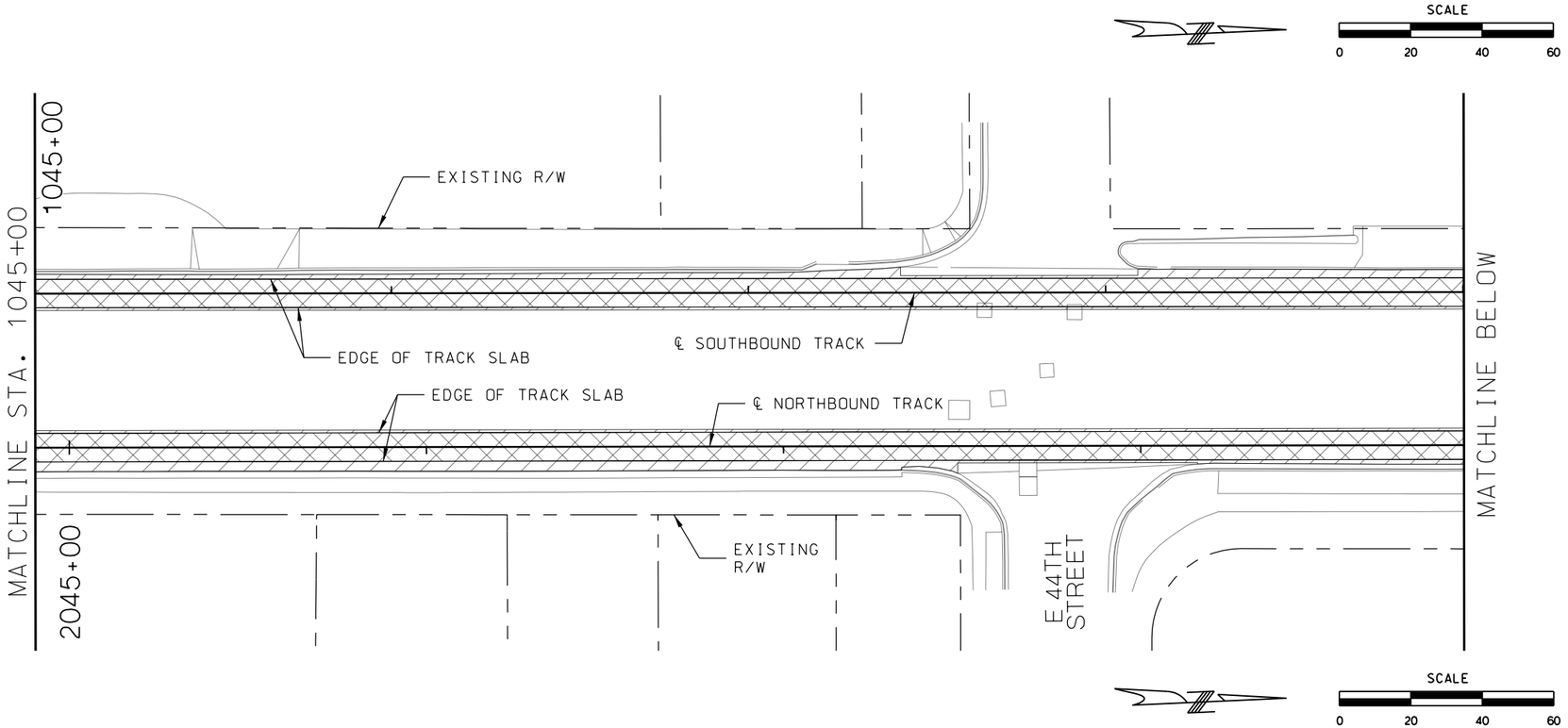
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1037+00 TO STA 1041+00
STA 1041+00 TO STA 1045+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: C106.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: C106	SHEET NO.: 143



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:54 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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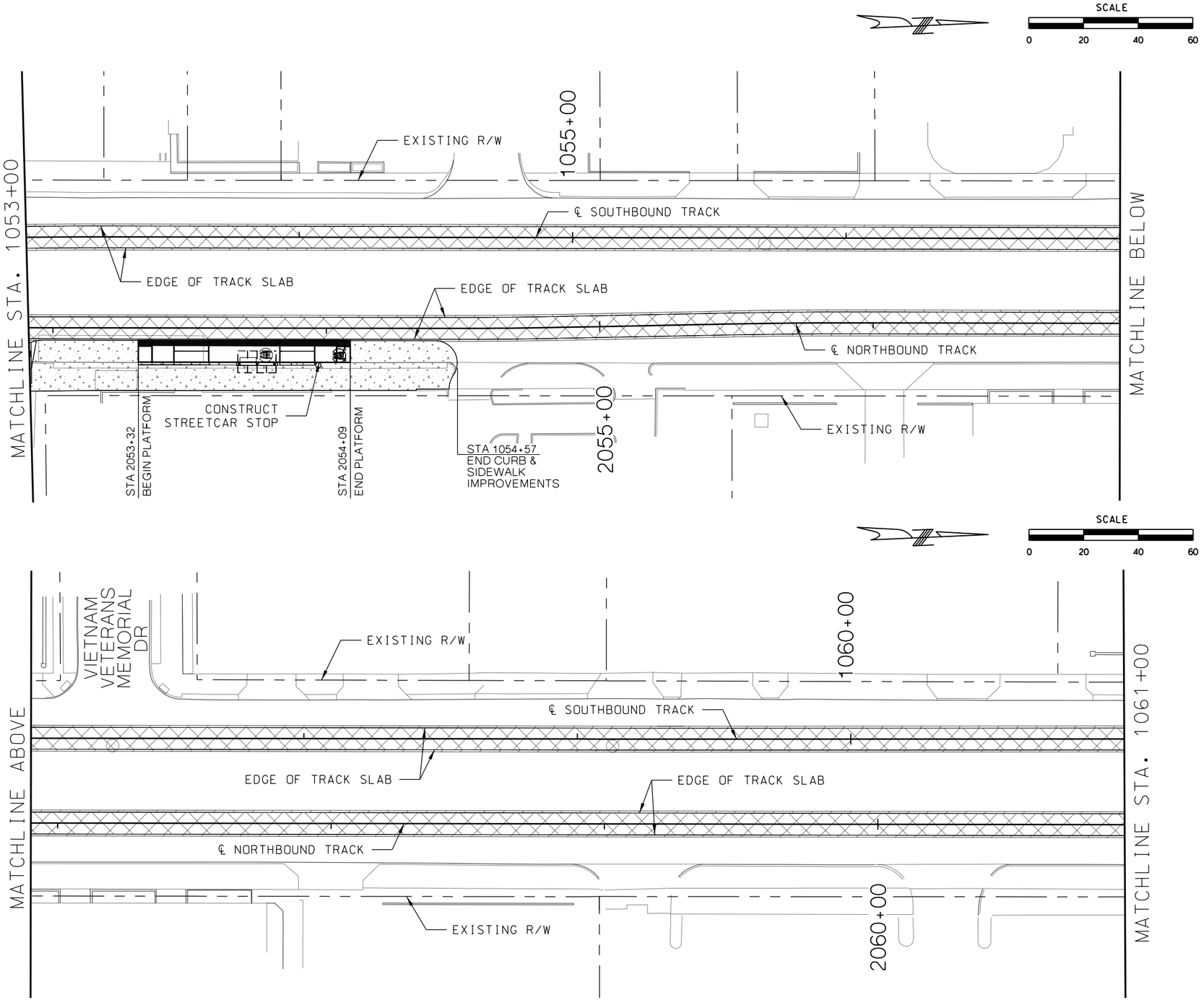
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1045+00 TO STA 1049+00
STA 1049+00 TO STA 1053+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C107.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C107
SHEET NO.:	144



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:29:59 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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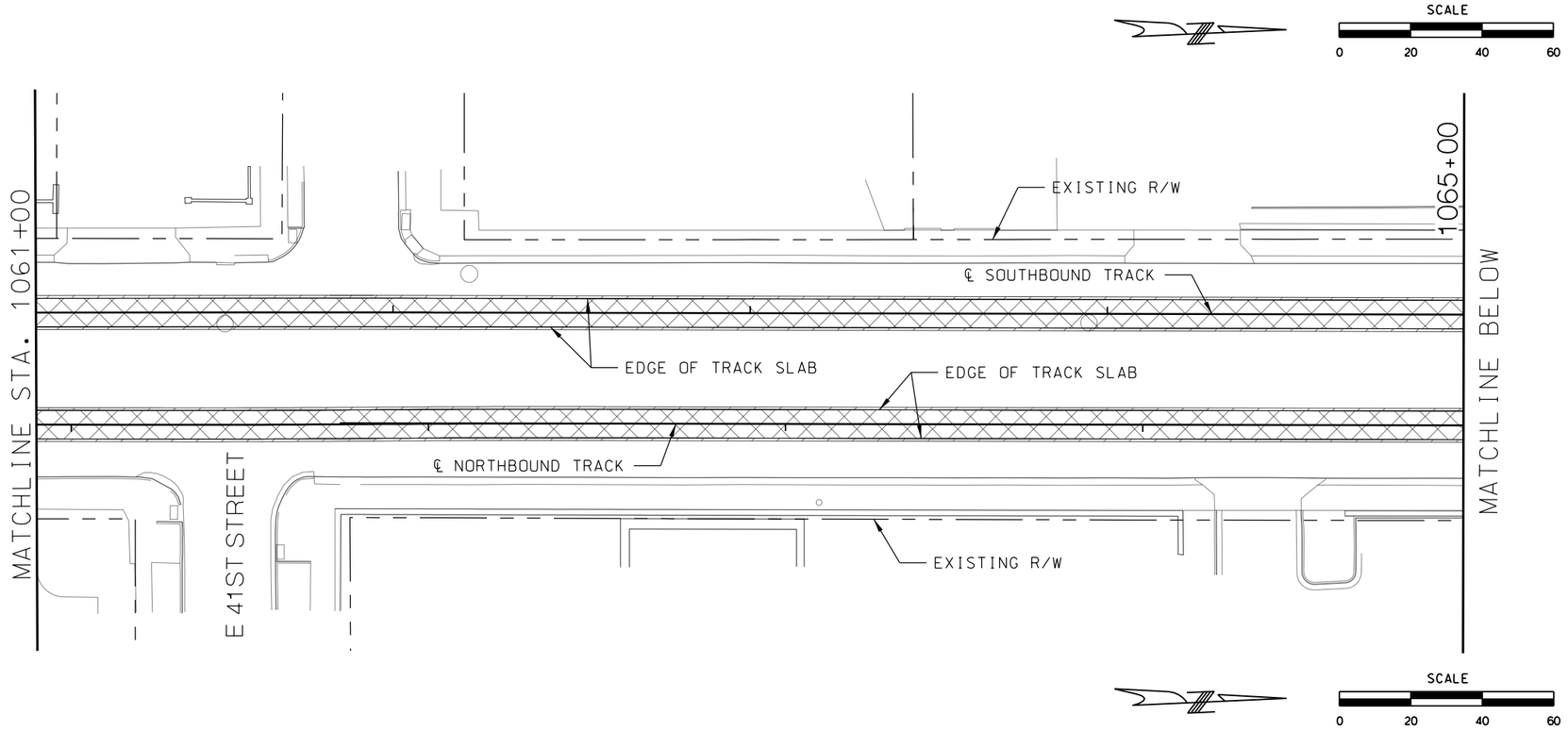
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1053+00 TO STA 1057+00
STA 1057+00 TO STA 1061+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C108.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	C108
SHEET NO.:	145



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:05 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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816-360-2700
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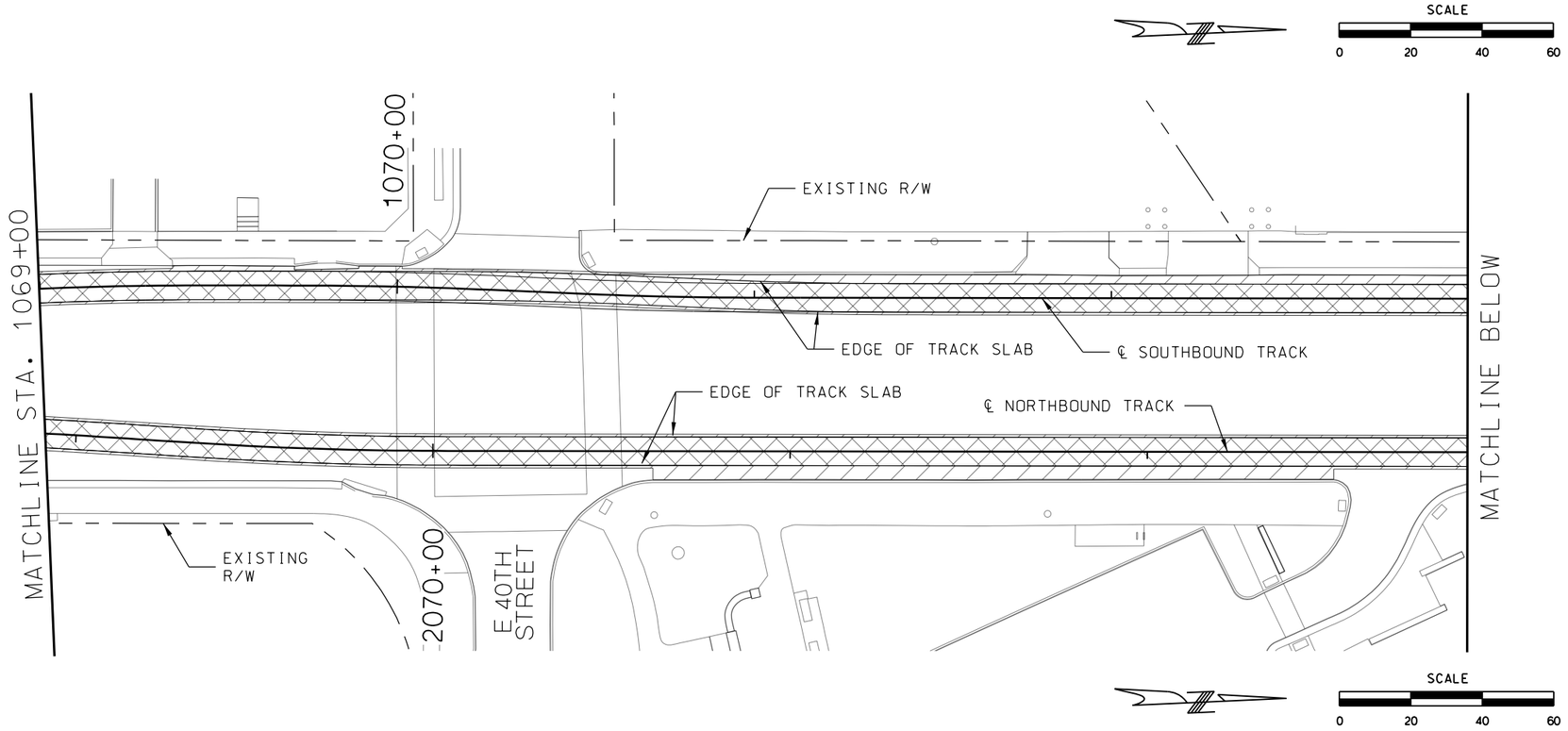
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1061+00 TO STA 1065+00
STA 1065+00 TO STA 1069+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C109.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C109
SHEET NO.:	146



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:11 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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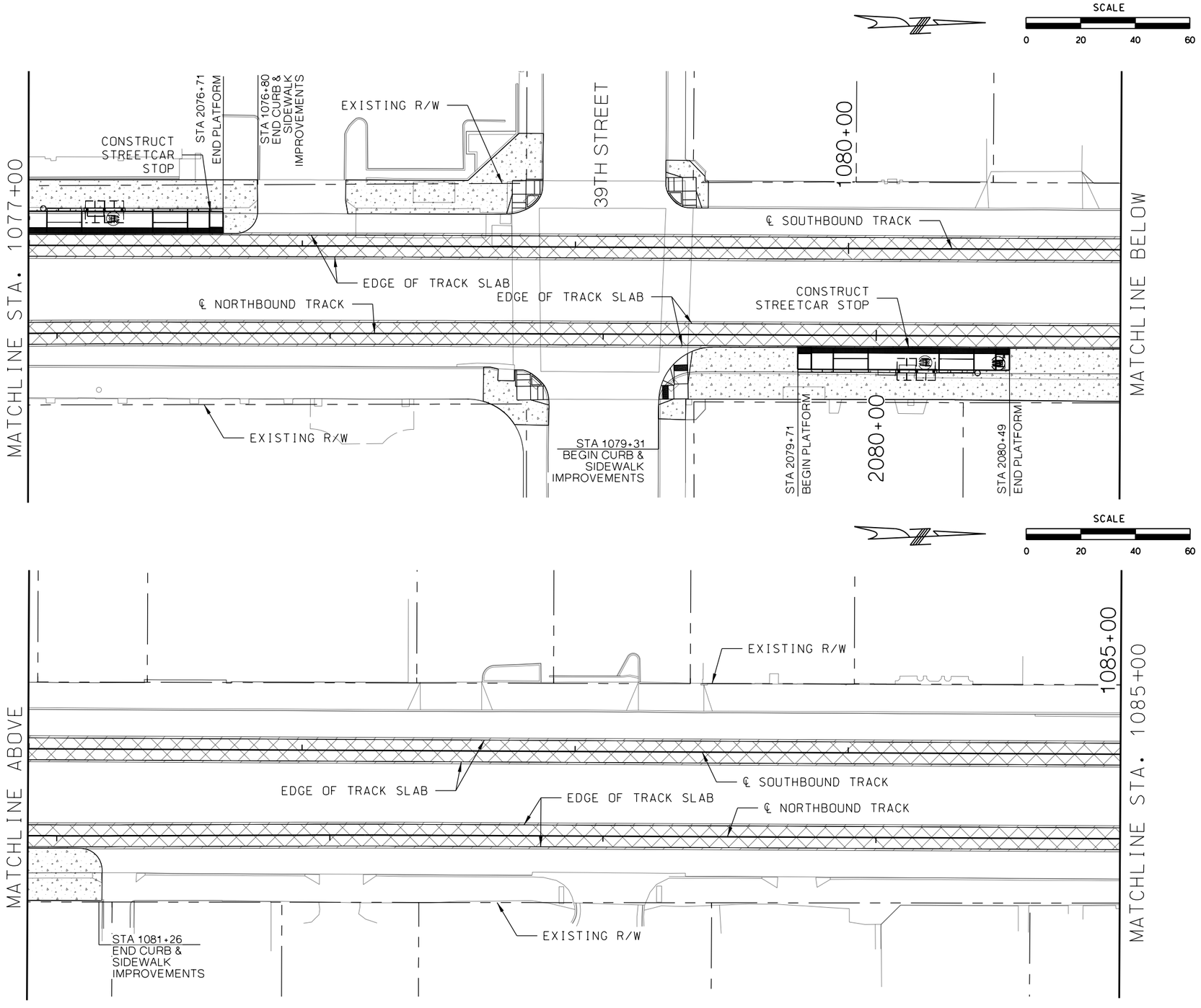
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1069+00 TO STA 1073+00
STA 1073+00 TO STA 1077+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C110.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C110
SHEET NO.:	147



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:17 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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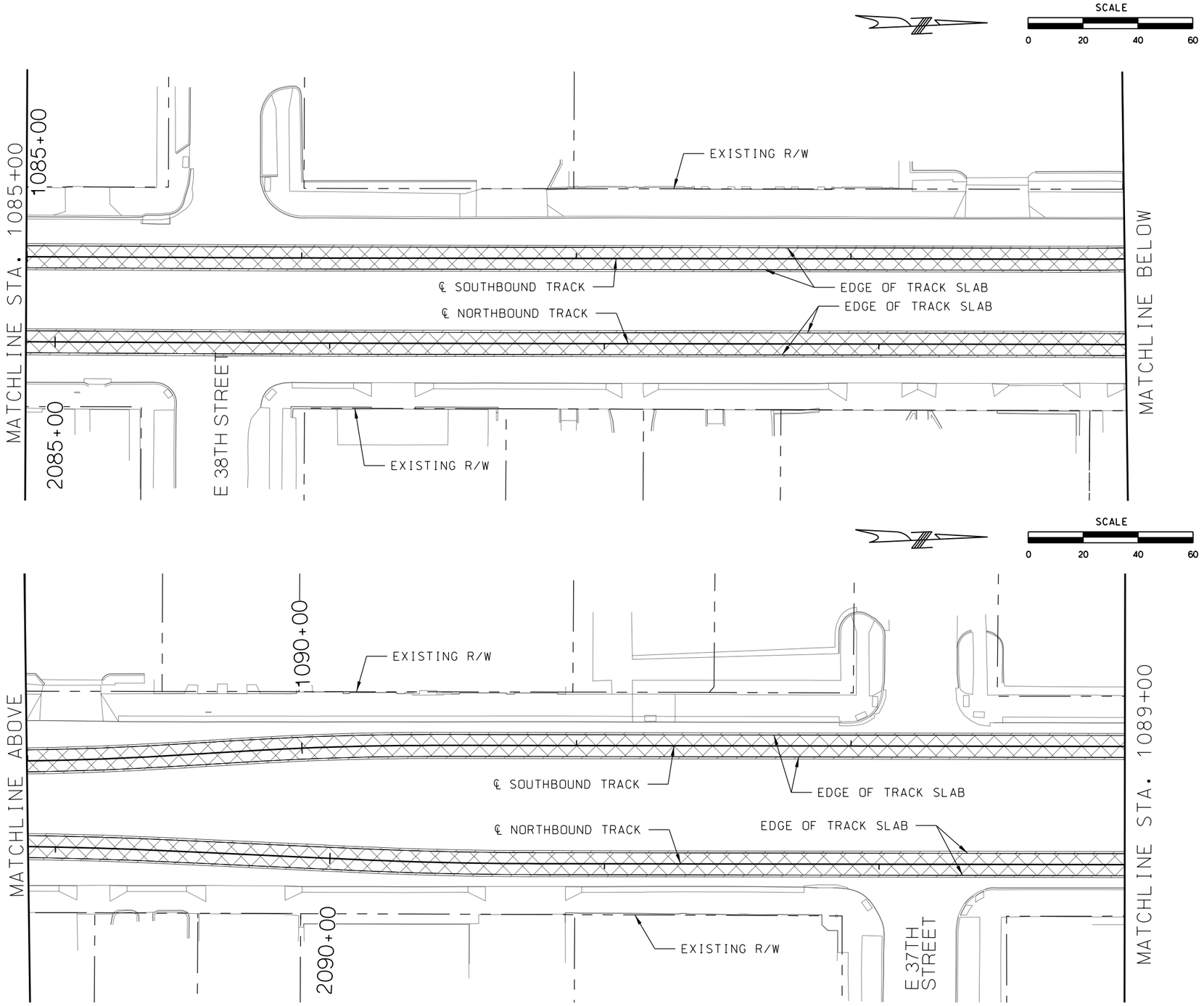
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1077+00 TO STA 1081+00
STA 1081+00 TO STA 1085+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C111.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C111
SHEET NO.:	148



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:23 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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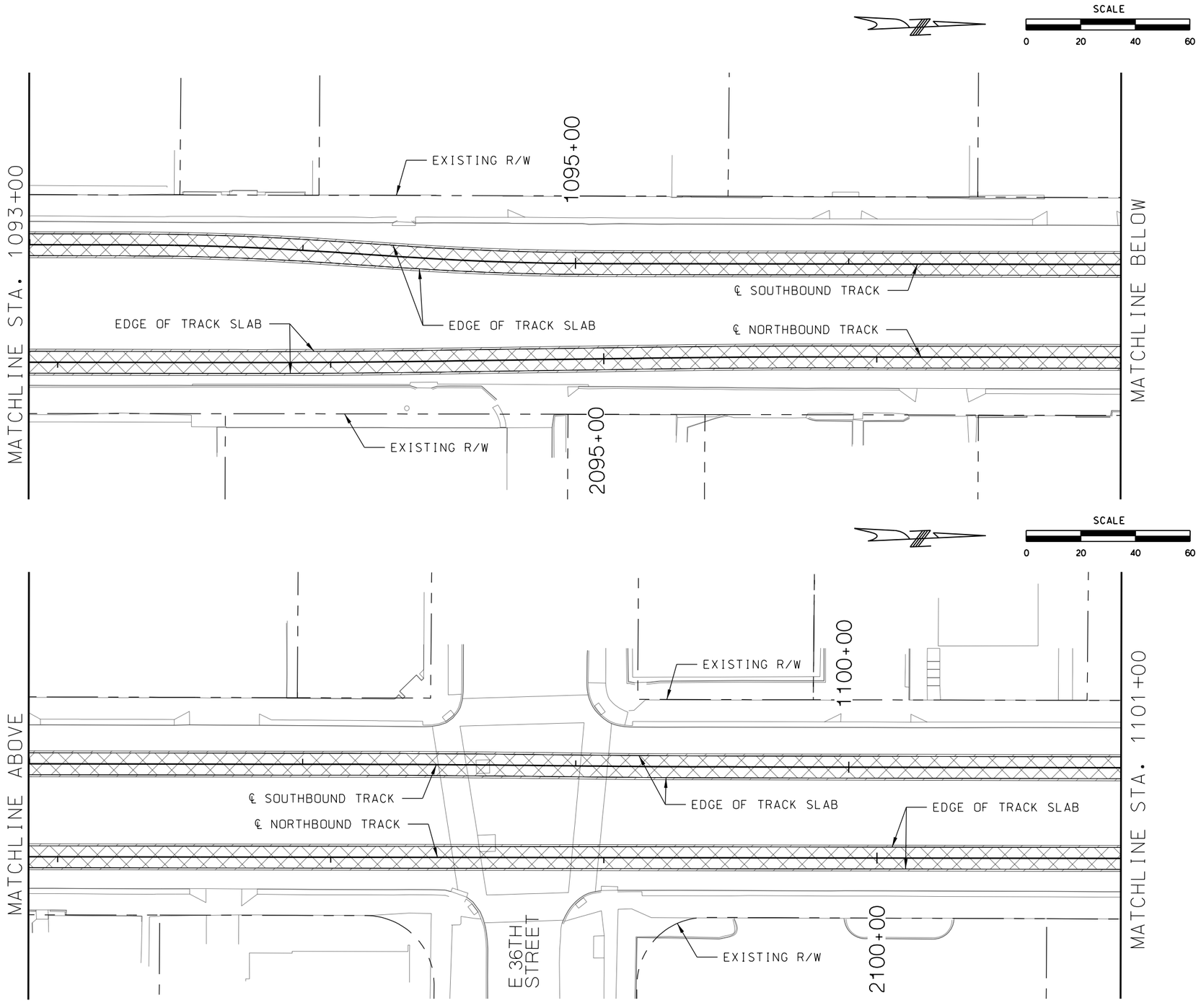
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1085+00 TO STA 1089+00
STA 1089+00 TO STA 1093+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C112.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C112
SHEET NO.:	149



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:29 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
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816-360-2700
Certificate of Authority: 000856

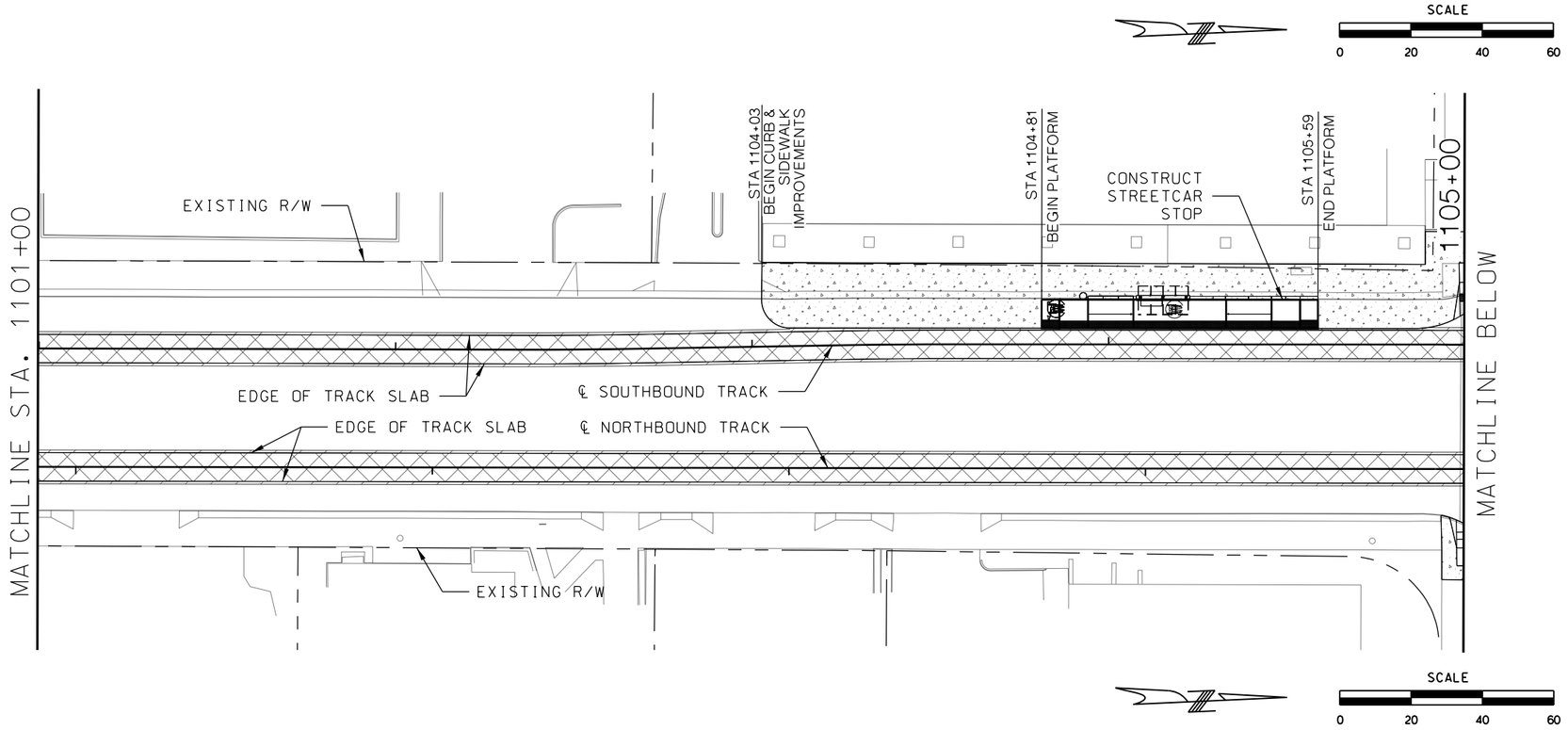
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1093+00 TO STA 1097+00
STA 1097+00 TO STA 1101+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C113.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	C113
SHEET NO.:	150

CONSTRUCTION NOTES



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:35 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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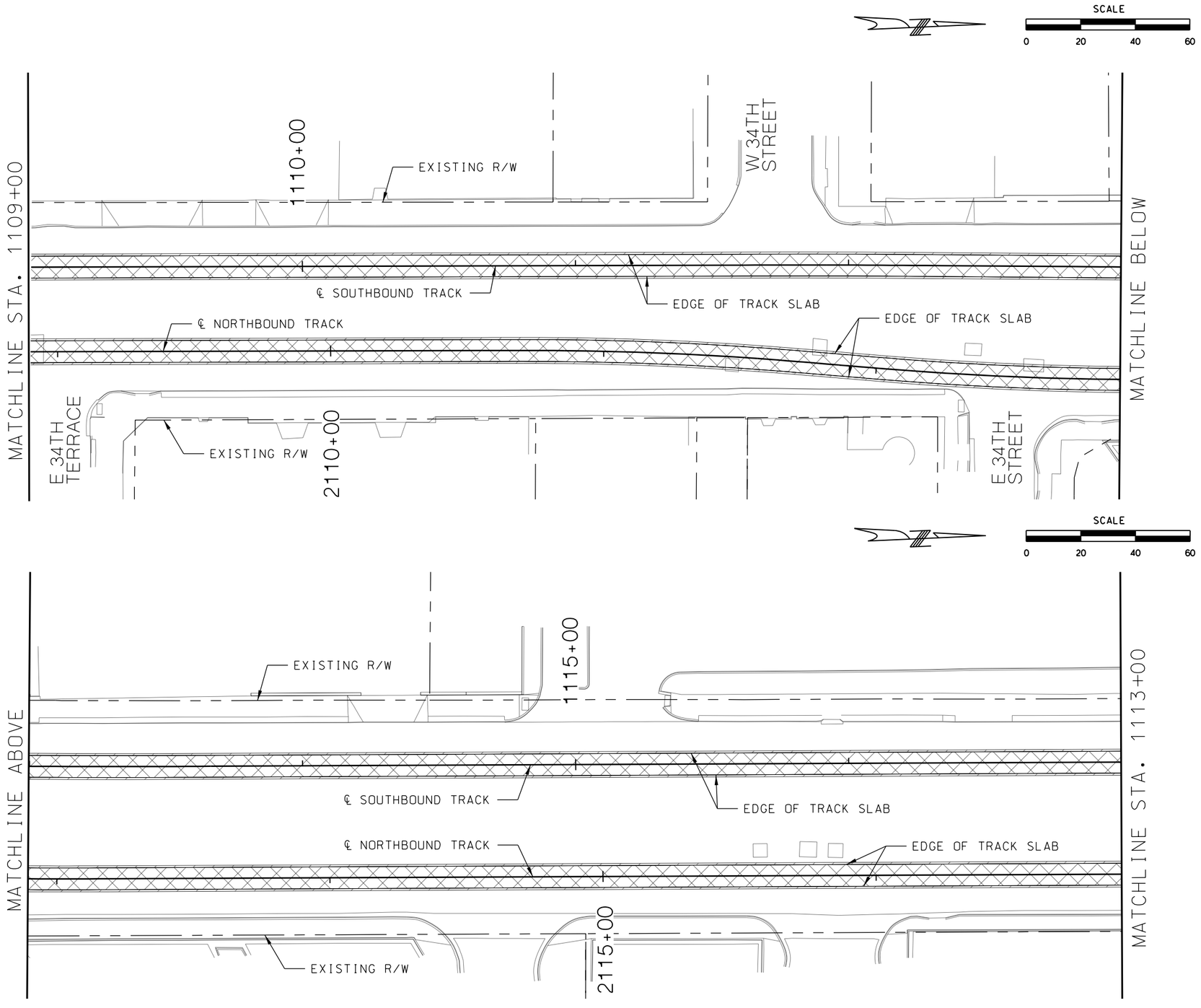
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1101+00 TO STA 1105+00
STA 1105+00 TO STA 1109+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C114.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C114
SHEET NO.:	151



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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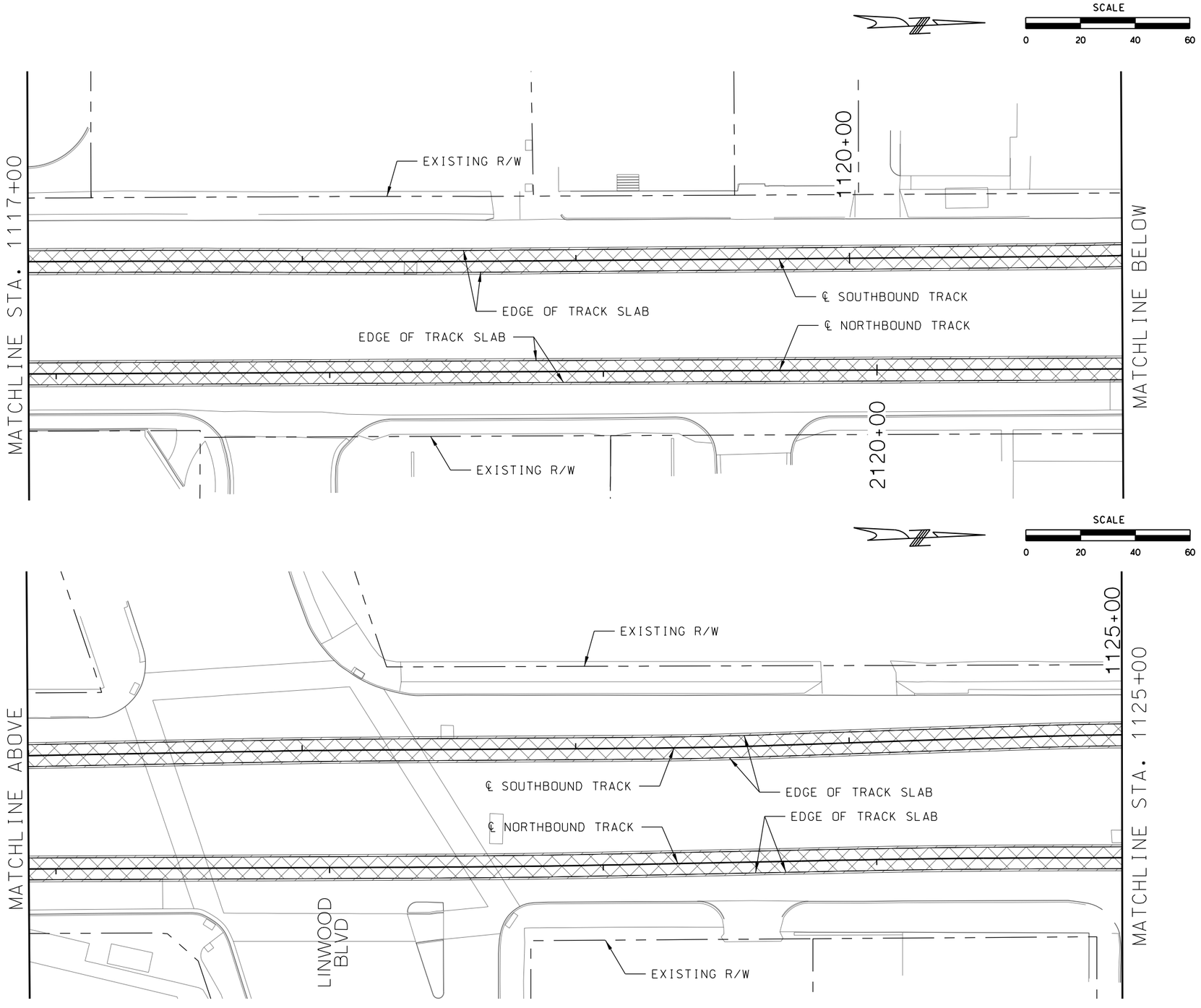
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1109+00 TO STA 1113+00
STA 1113+00 TO STA 1117+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C115.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C115
SHEET NO.:	152



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:30:47 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Certificate of Authority: 000856

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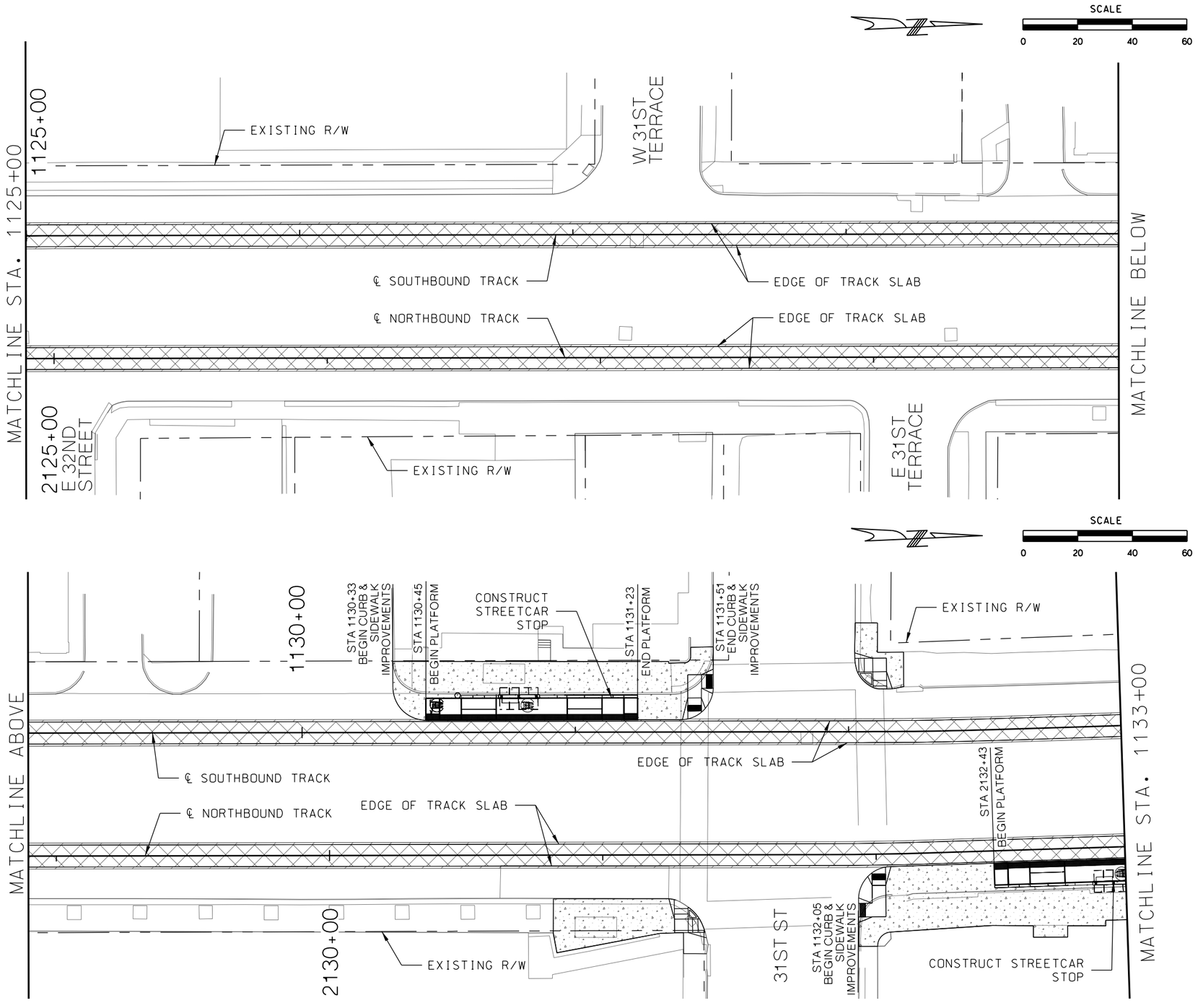
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1117+00 TO STA 1121+00
STA 1121+00 TO STA 1125+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C116.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	C116
SHEET NO.:	153



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:05 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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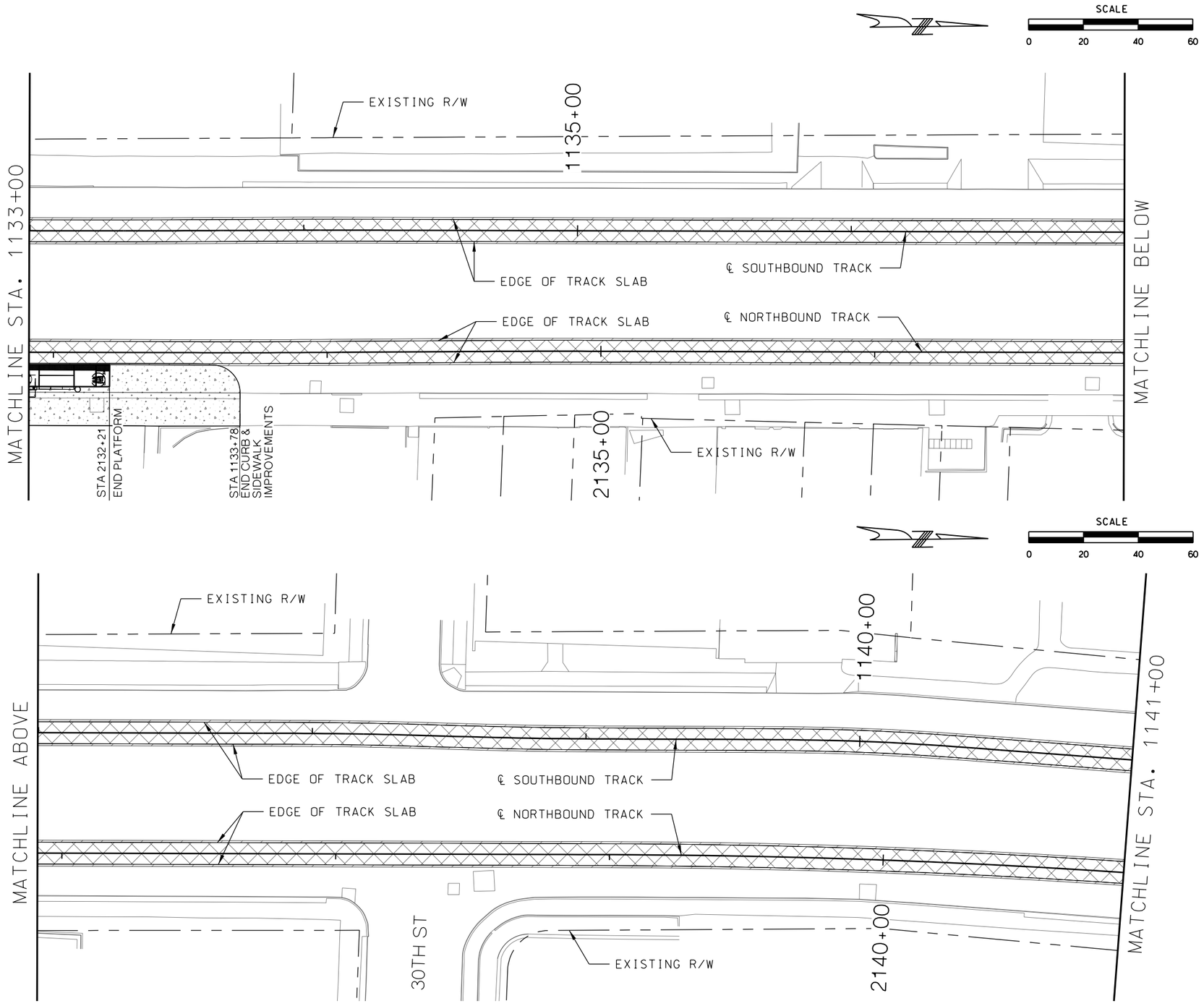
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1125+00 TO STA 1129+00
STA 1129+00 TO STA 1133+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C117.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C117
SHEET NO.:	154



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:12 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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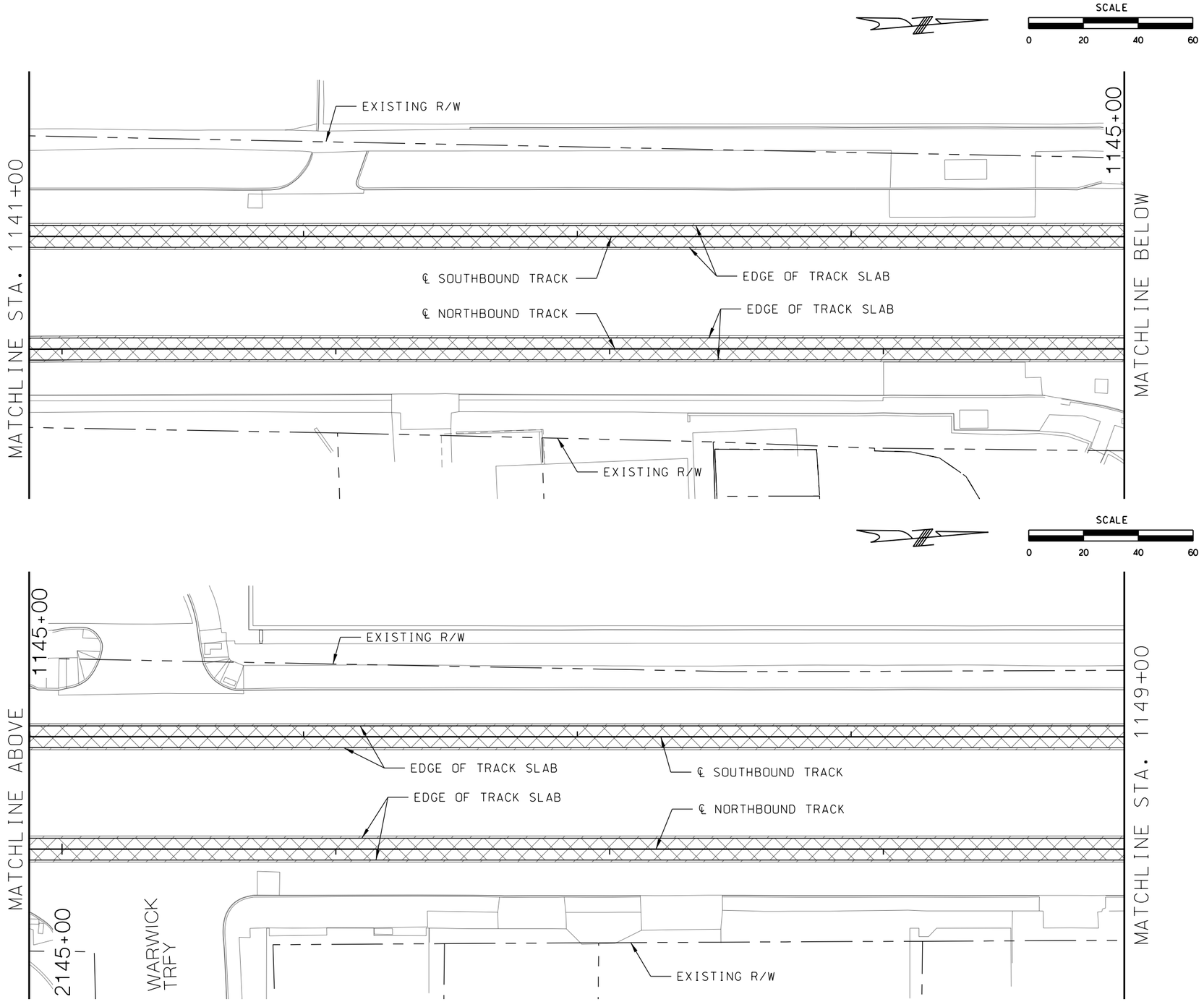
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1133+00 TO STA 1137+00
STA 1137+00 TO STA 1141+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C118.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	C118
SHEET NO.:	155



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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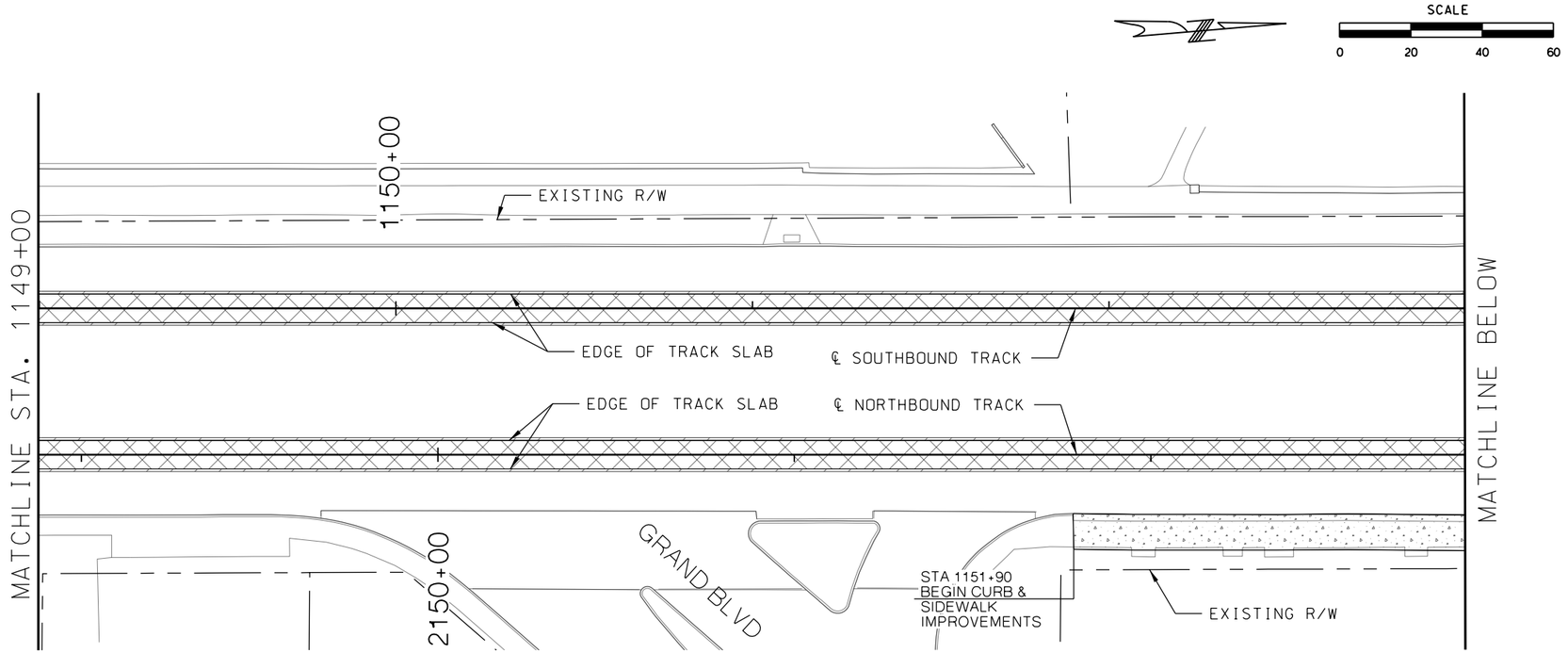
816-360-2700
Certificate of Authority: 000856

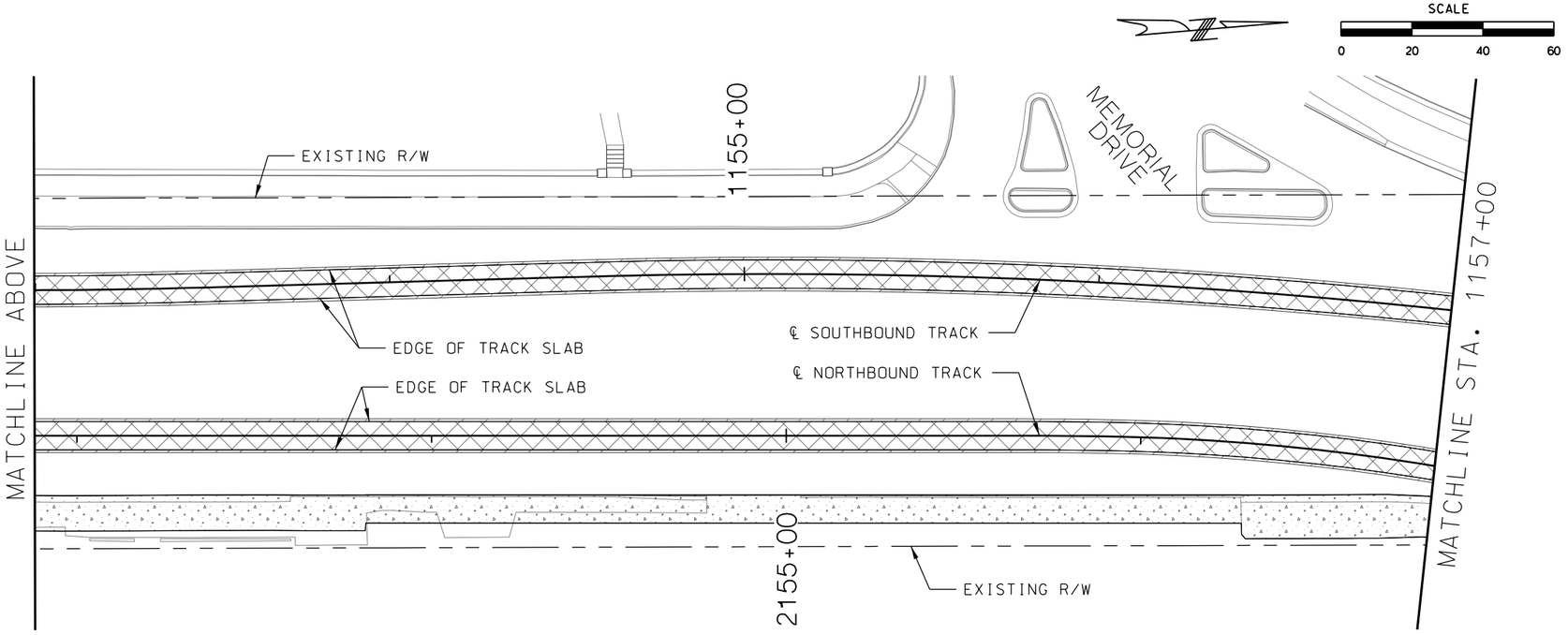
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1141+00 TO STA 1145+00
STA 1145+00 TO STA 1149+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C119.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C119
SHEET NO.:	156





LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:31 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

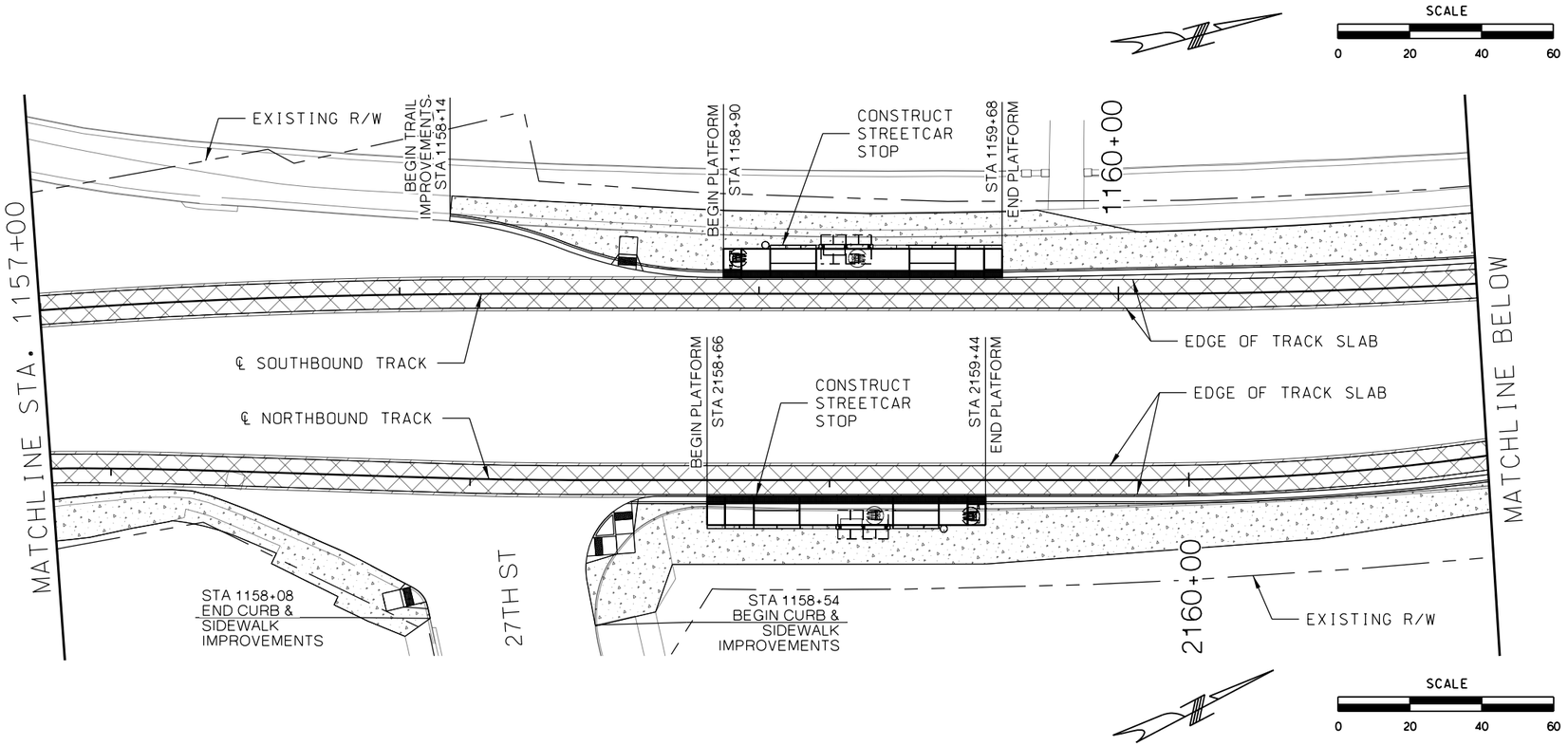
NOT FOR CONSTRUCTION

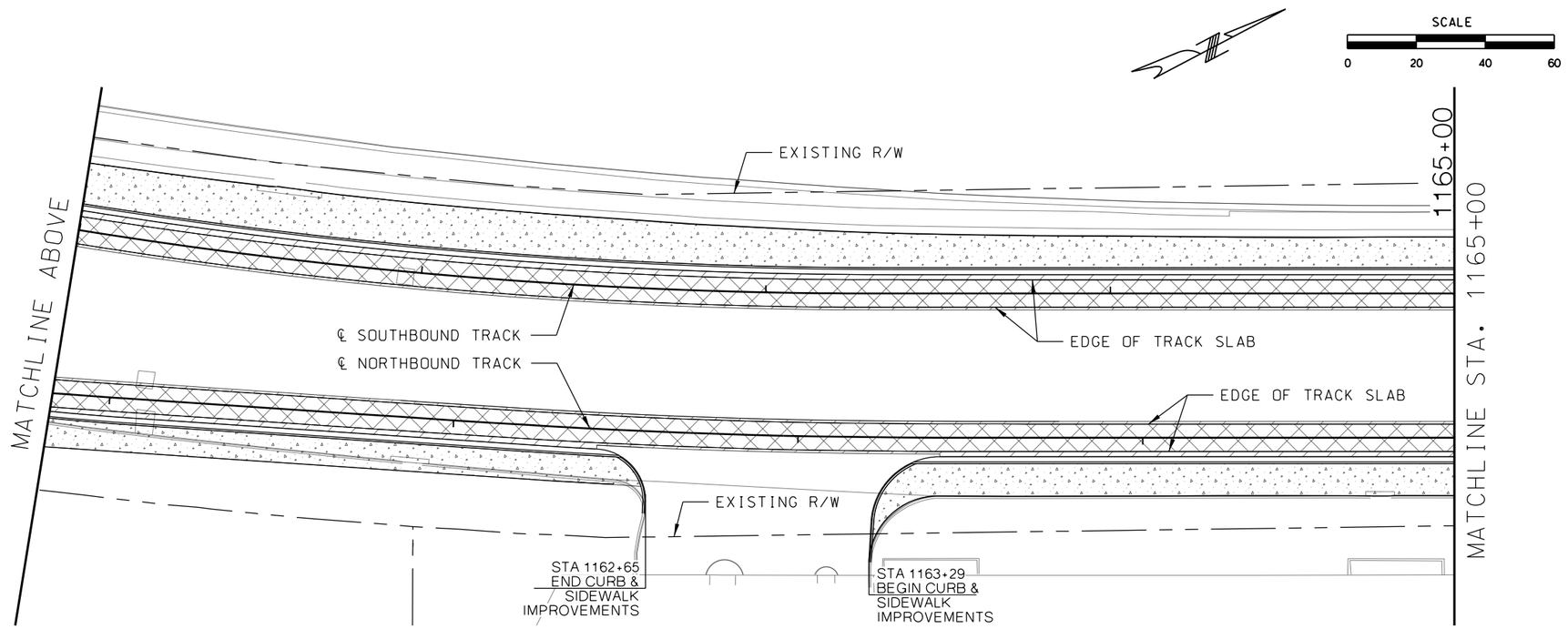
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1149+00 TO STA 1153+00
STA 1153+00 TO STA 1157+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C120.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C120
SHEET NO.:	157

CONSTRUCTION NOTES





LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:36 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1157+00 TO STA 1161+00
STA 1161+00 TO STA 1165+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C121.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C121
SHEET NO.:	158

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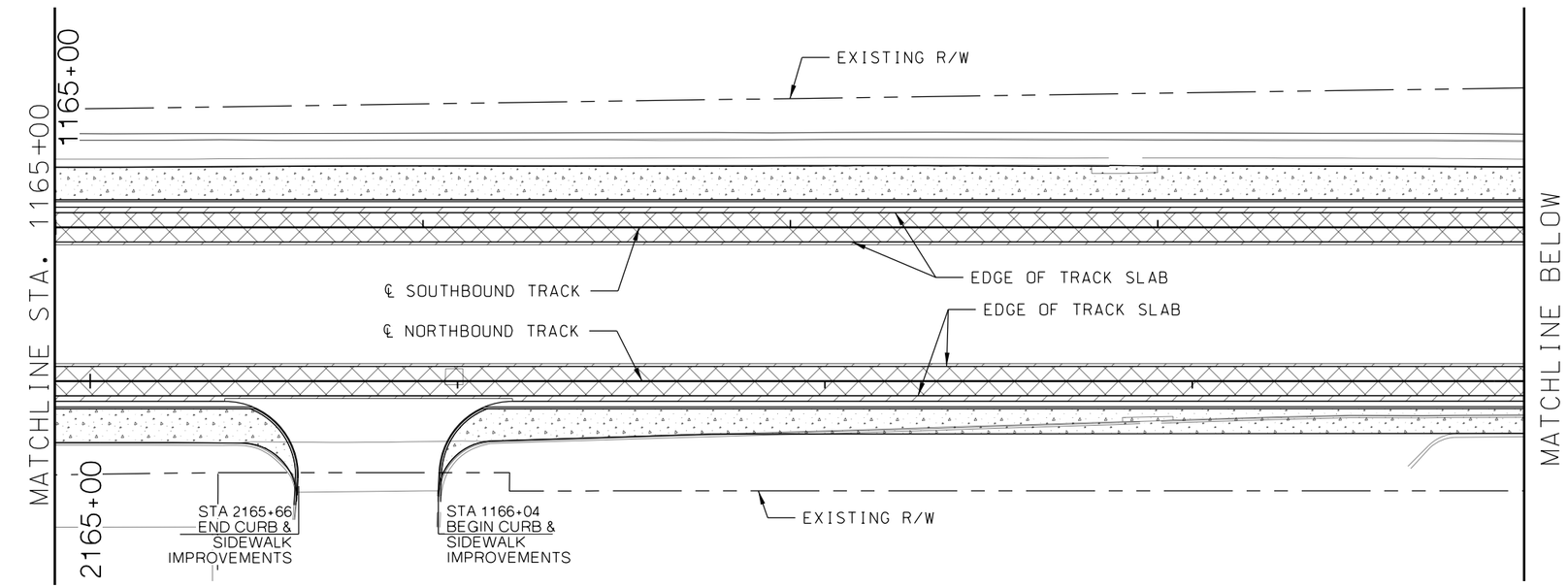

SCALE
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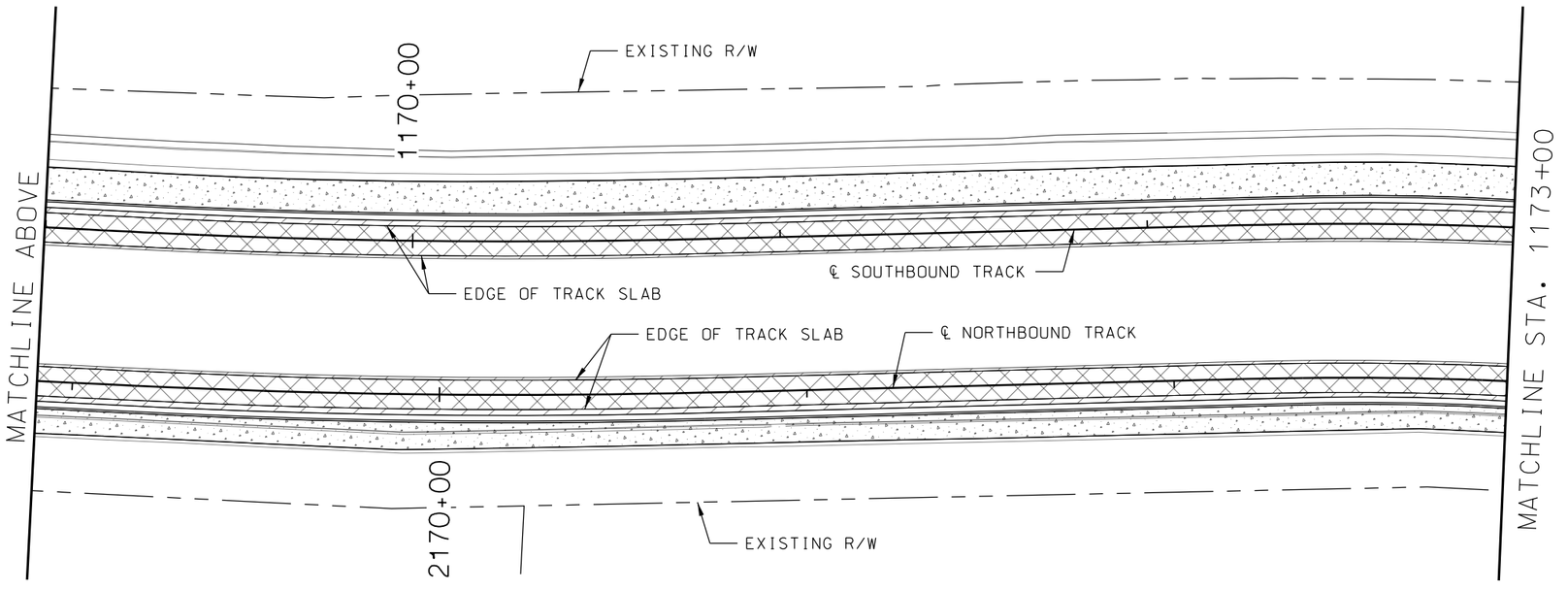


LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

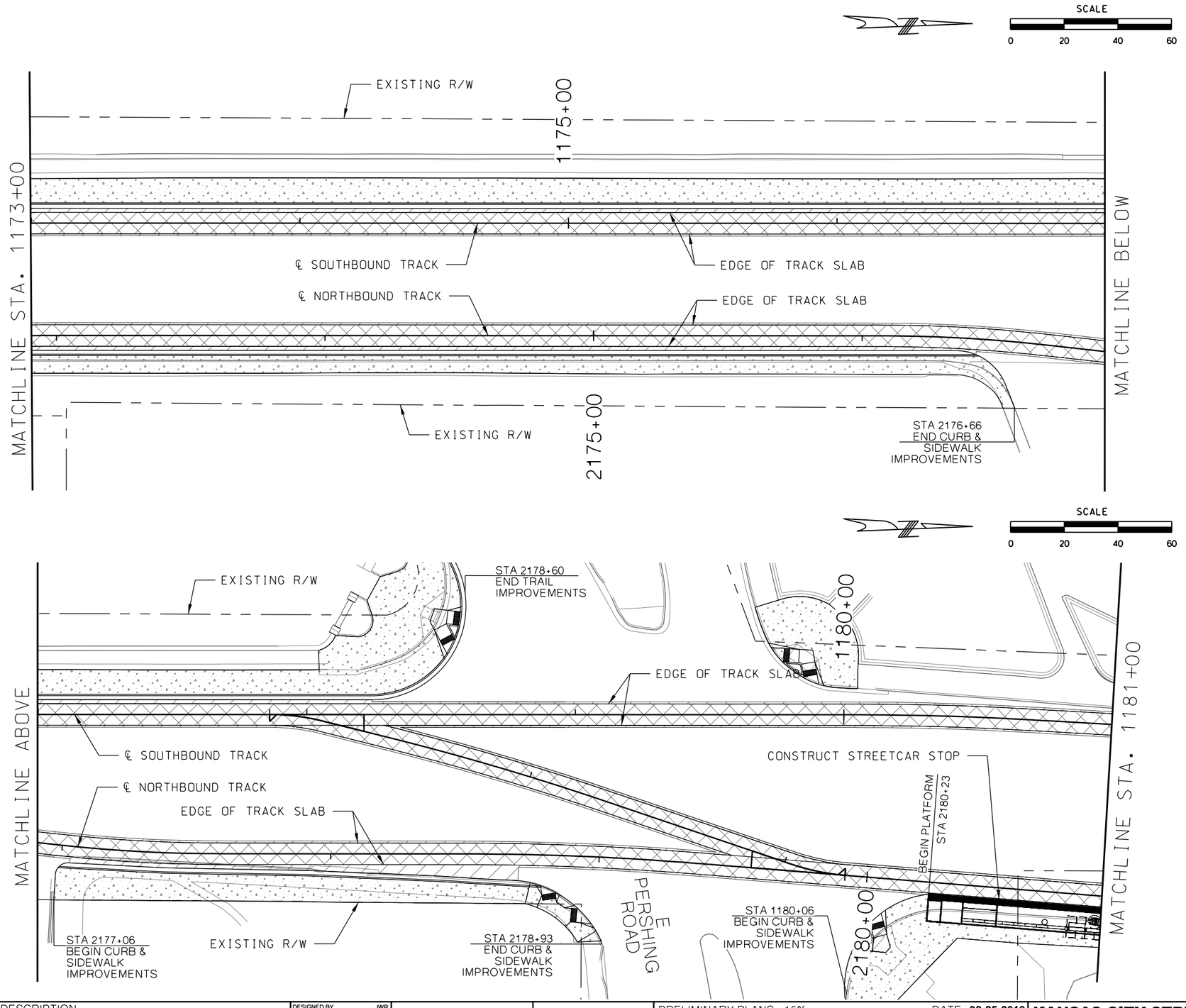
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1165+00 TO STA 1169+00
STA 1169+00 TO STA 1173+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C122.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C122
SHEET NO.:	159



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:49 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

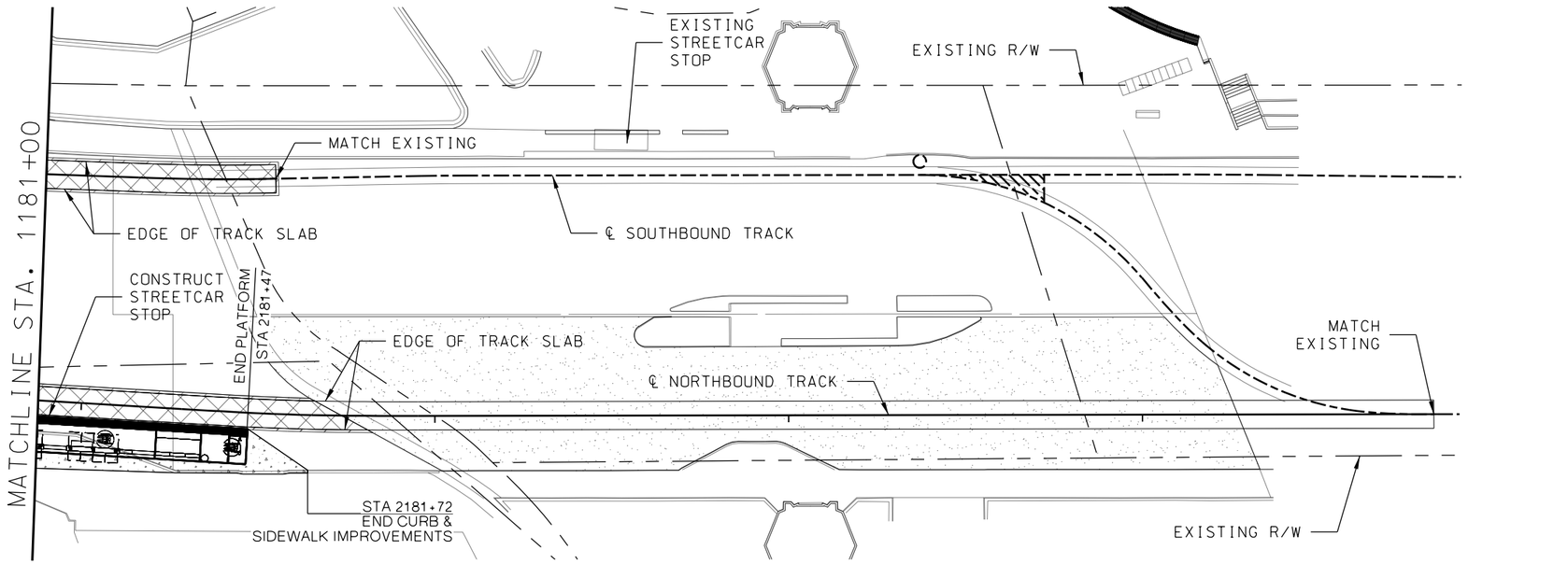
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1173+00 TO STA 1177+00
STA 1177+00 TO STA 1181+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C123.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C123
SHEET NO.:	160

SCALE
0 20 40 60



LEGEND

- TRACK SLAB
- HMAC FULL DEPTH
- CONCRETE SIDEWALK
- CONCRETE INFILL
- ASPHALT TRAIL
- BRIDGE MILL AND CONCRETE OVERLAY

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:31:56 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

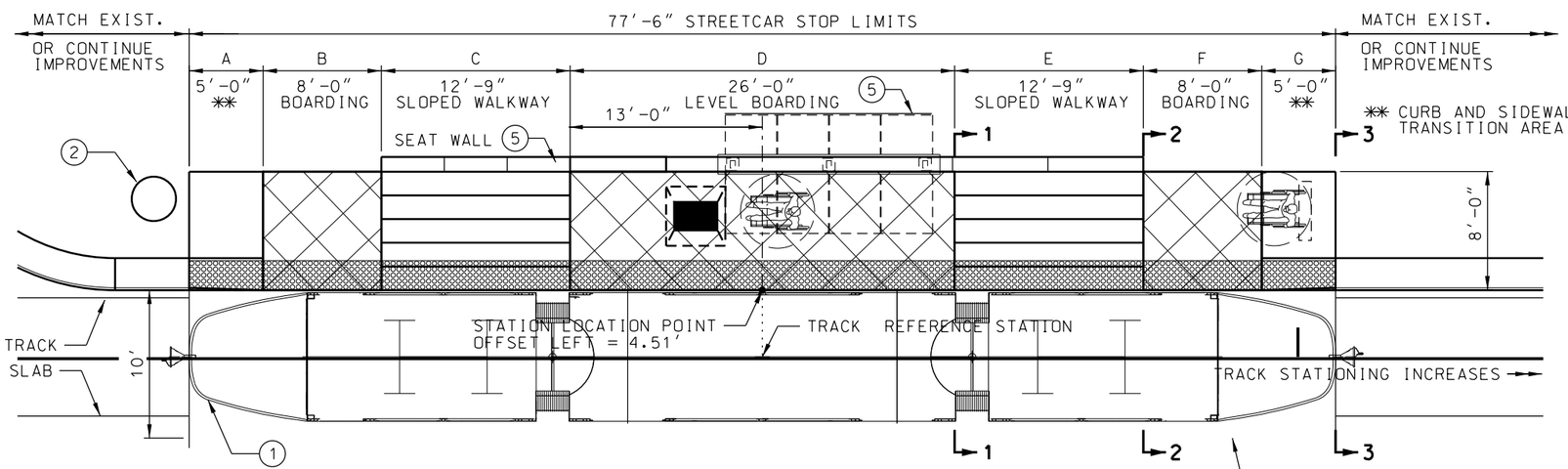
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

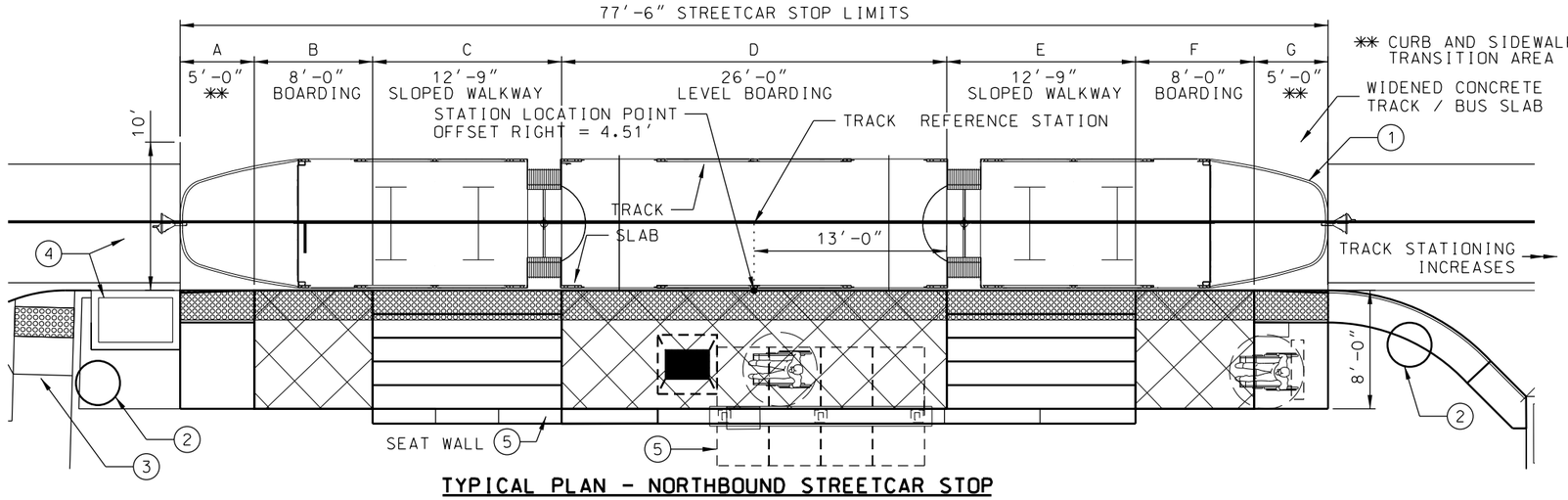
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SOUTHBOUND AND NORTHBOUND TRACK
CIVIL PLAN
STA 1181+00 TO STA 1185+00

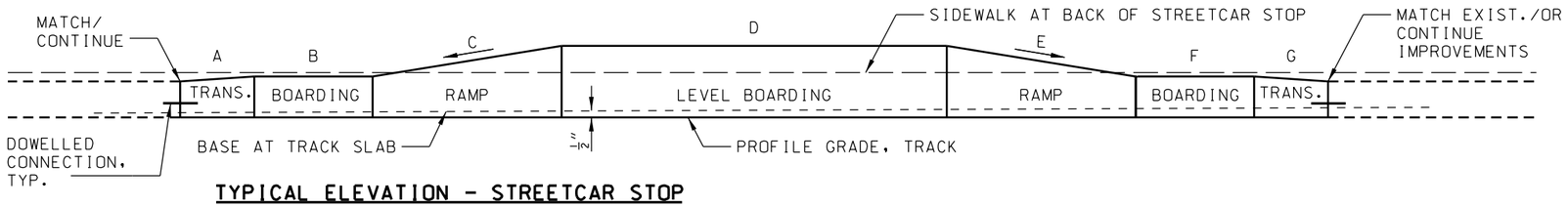
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	C124.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C124
SHEET NO.:	161



TYPICAL PLAN - SOUTHBOUND STREETCAR STOP

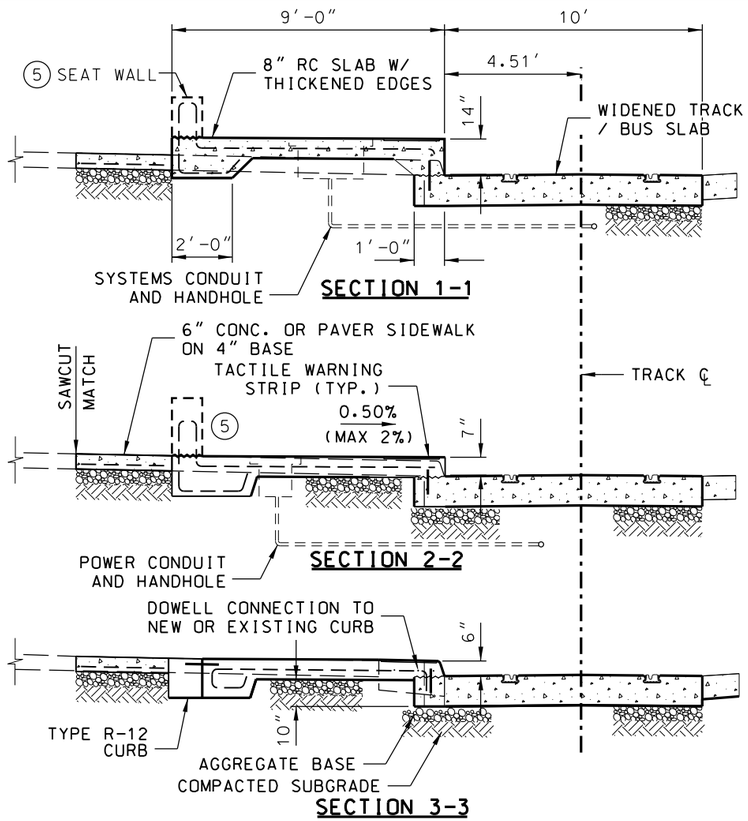


TYPICAL PLAN - NORTHBOUND STREETCAR STOP



TYPICAL ELEVATION - STREETCAR STOP

TRACK SIDE FACE



NOTES

1. TYPICAL STREET CAR ORIENTATION
2. OCS POLE LOCATION
3. PEDESTRIAN RAMPS
4. DRAINAGE IMPROVEMENTS
5. ARCHITECTURE, UTILITIES, AND FURNISHINGS

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:12:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
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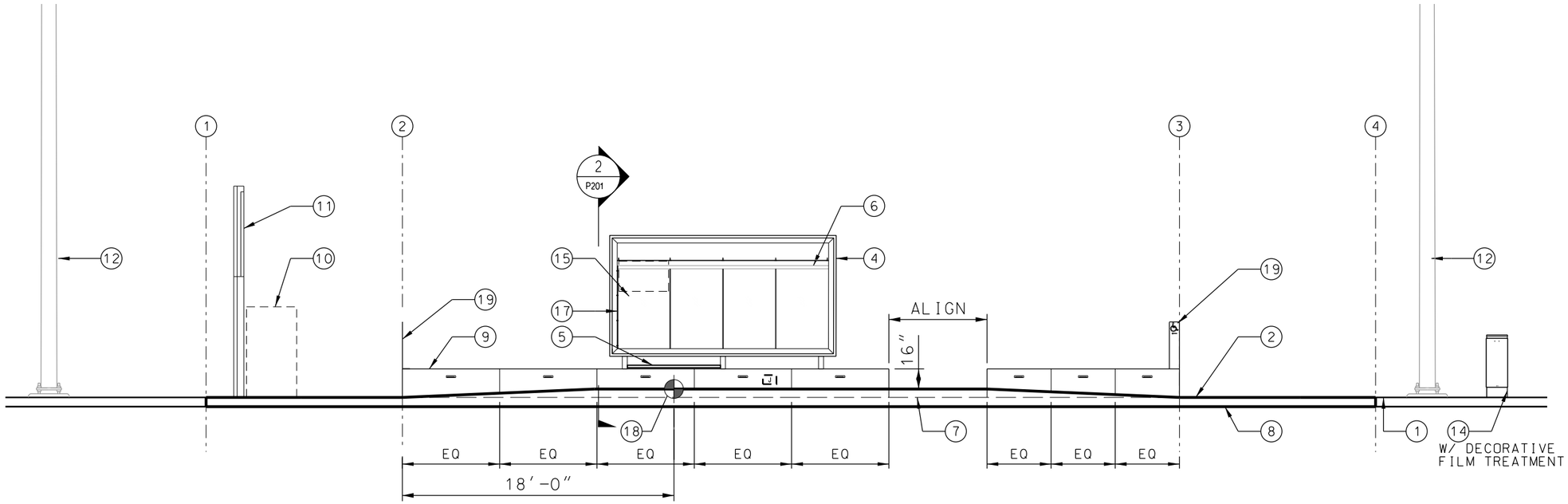
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL NORTHBOUND AND SOUTHBOUND STREETCAR STOP DETAILS

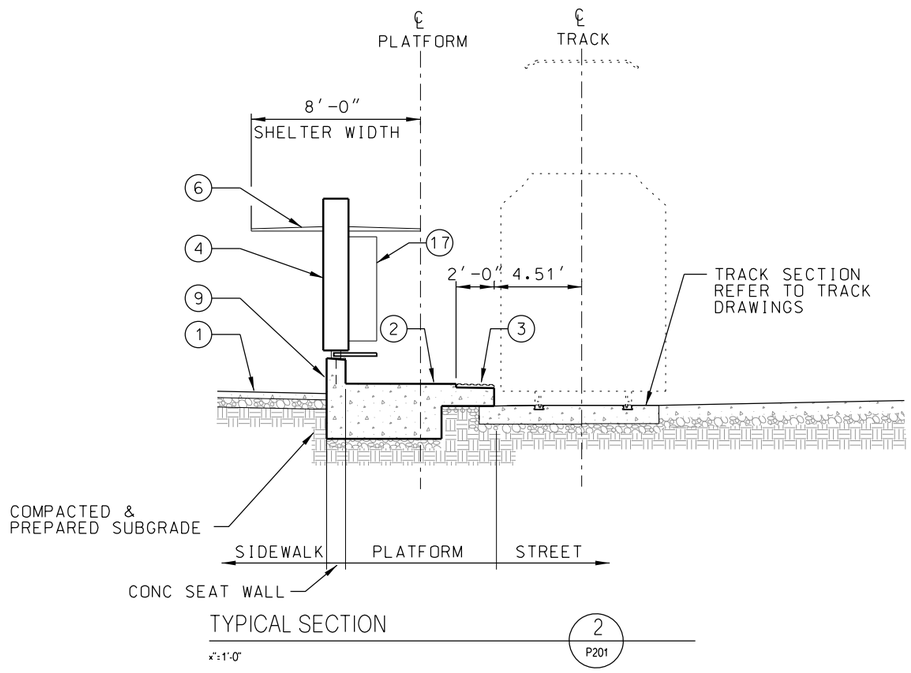
SCALE FOR 22″x34″:	
FILENAME:	C200.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	C200
SHEET NO.:	162



STREET VIEW ELEVATION

1/4"=1'-0"

1 P201



TYPICAL SECTION

1/4"=1'-0"

2 P201

SCALE

0 5 10 15

KEYNOTES:

1 WALKWAYS/SIDEWALKS

2 PLATFORM

3 DETECTABLE WARNING TILE

4 SHELTER

5 SHELTER BENCH

6 CANOPY

7 SIDEWALK BEHIND STREETCAR STOP

8 PROFILE GRADE TRACK STATION/OFFSET

9 CONC WALL AS CAST FORM FINISH - SMOOTH

10 TICKET VENDING MACHINE (FUTURE)

11 SIGN KIOSK MARKER

12 OCS POLE

13 RAIL SCREEN

14 ELECTRICAL EQUIPMENT

15 VARIABLE MESSAGE SIGN (FUTURE)

16 PRESERVE & PROTECT EXIST TREE & PLANTER, COORDINATE INSTALLATION W/ EXIST PLANTER RAIL/ SURROUND

17 WIND SCREEN

18 ARCHITECTURE CONTROL POINT

19 ADA DIRECTIONAL SIGN

LEGEND:

J JUNCTION BOX

J JUNCTION BOX AT BACK OF WALL

RECESSED LIGHT

GENERAL NOTE:

ALL SEAT WALLS TO HAVE A MINIMUM HEIGHT OF 1'-4". SEE CIVIL DRAWINGS FOR SLOPE OF SIDEWALKS.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:12:31 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

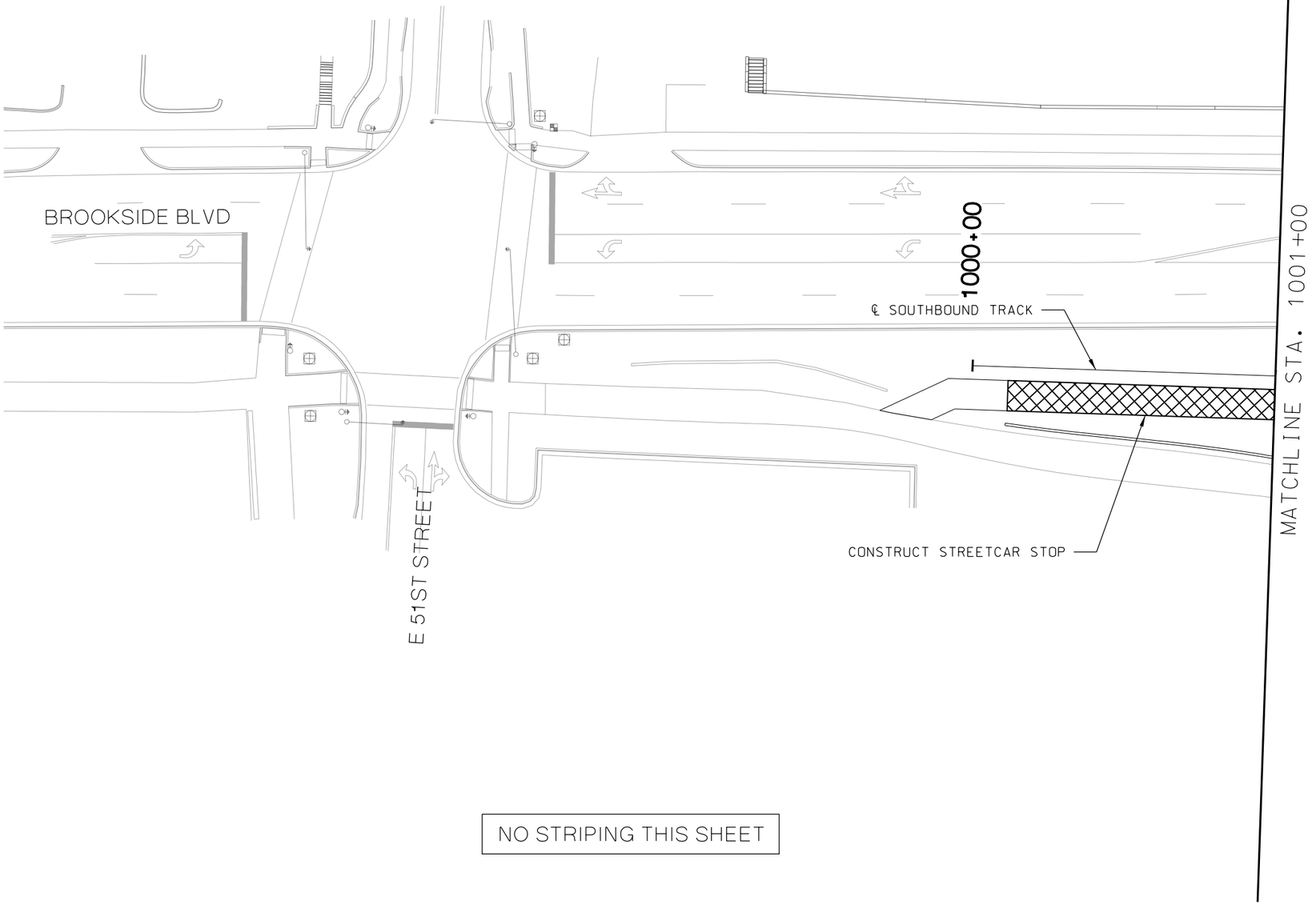
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TYPICAL PLATFORM ELEVATION

SCALE FOR 22"x34":	
FILENAME:	P201.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	P201
SHEET NO.:	163

SCALE

0 20 40 60



NO STRIPING THIS SHEET

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.

LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:45:07 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
51ST STREET
SB STA BEGIN TO STA 1001+00

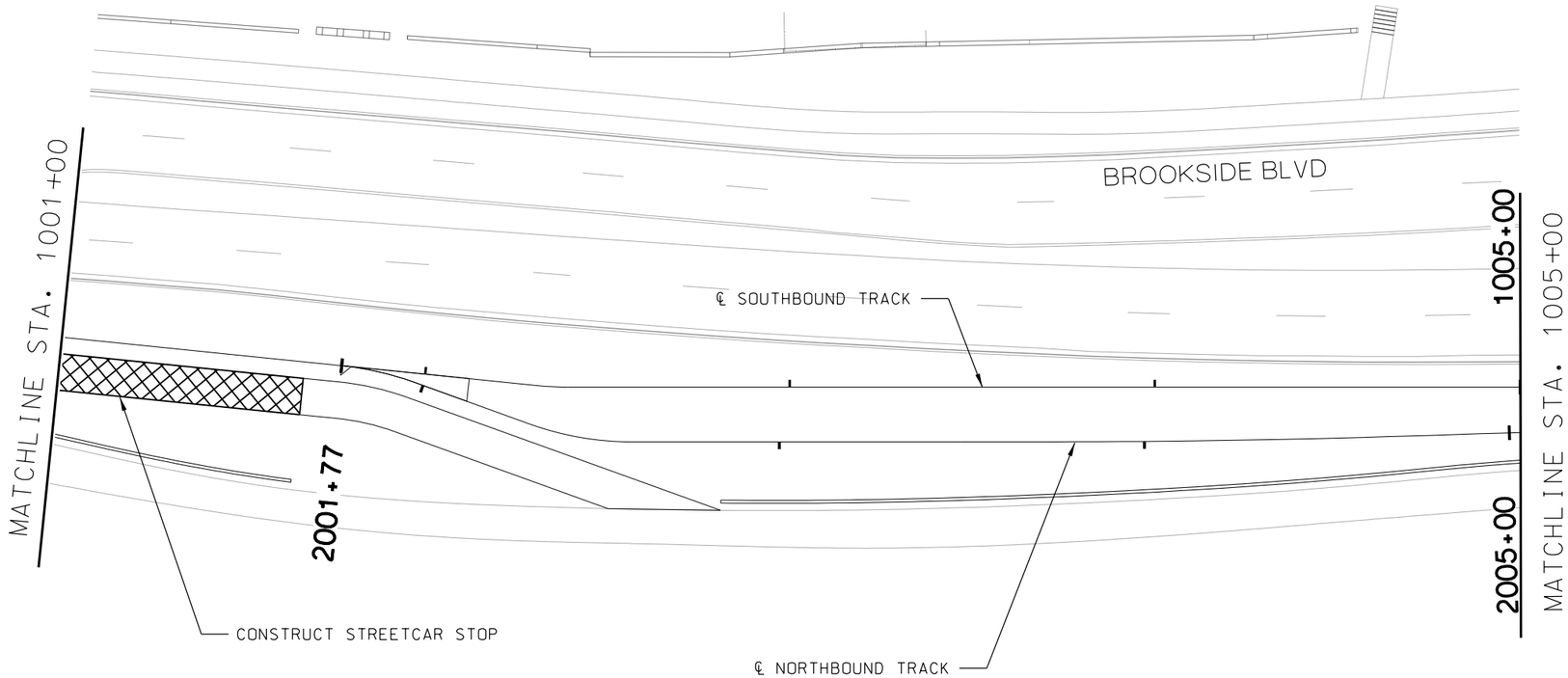
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S101.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S101
SHEET NO.:	164

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



NO STRIPING THIS SHEET

LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:45:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

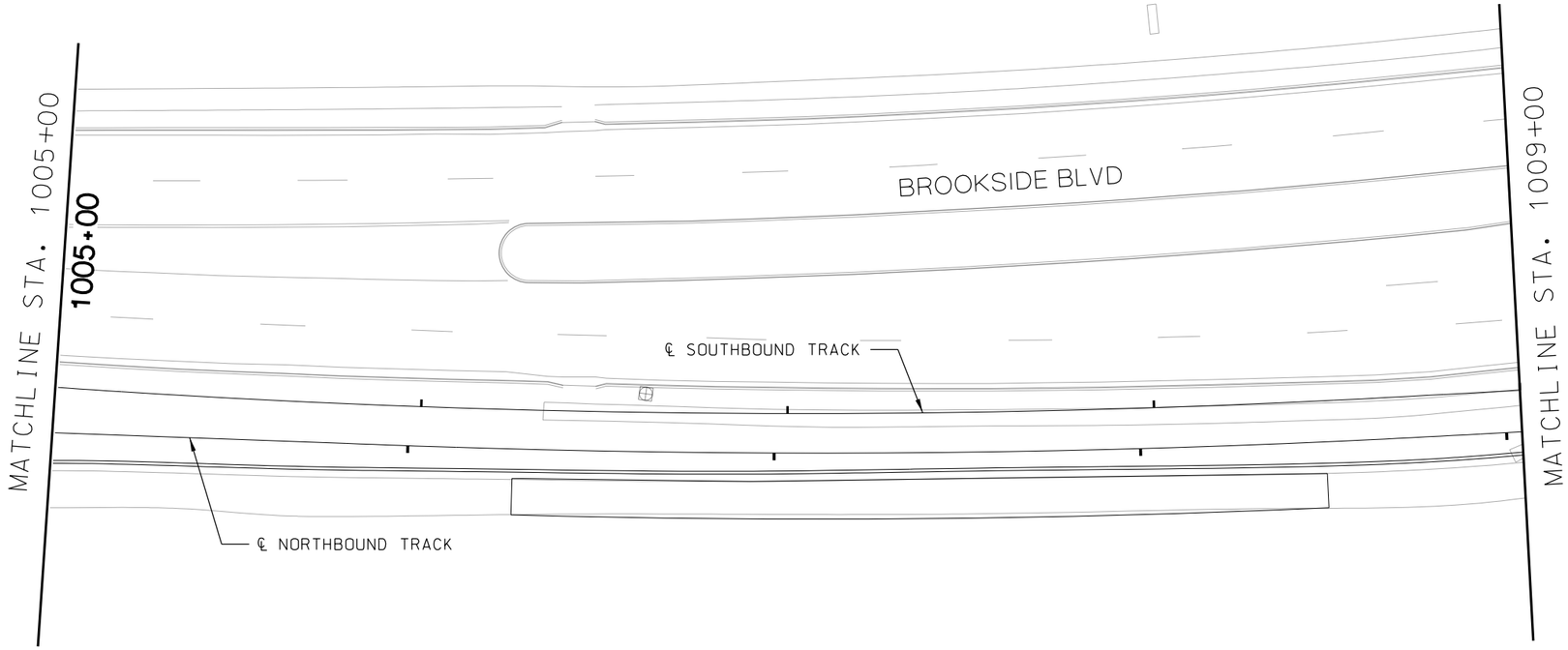
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1001+00 TO STA 1005+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S102.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S102
SHEET NO.:	165

SCALE

0 20 40 60



NO STRIPING THIS SHEET

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.

LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:45:33 PM

DESIGNED BY JWR
CHECKED BY RPB
DRAWN BY MMQ
CHECKED BY RPB
APPROVED BY NKS
DATE 2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

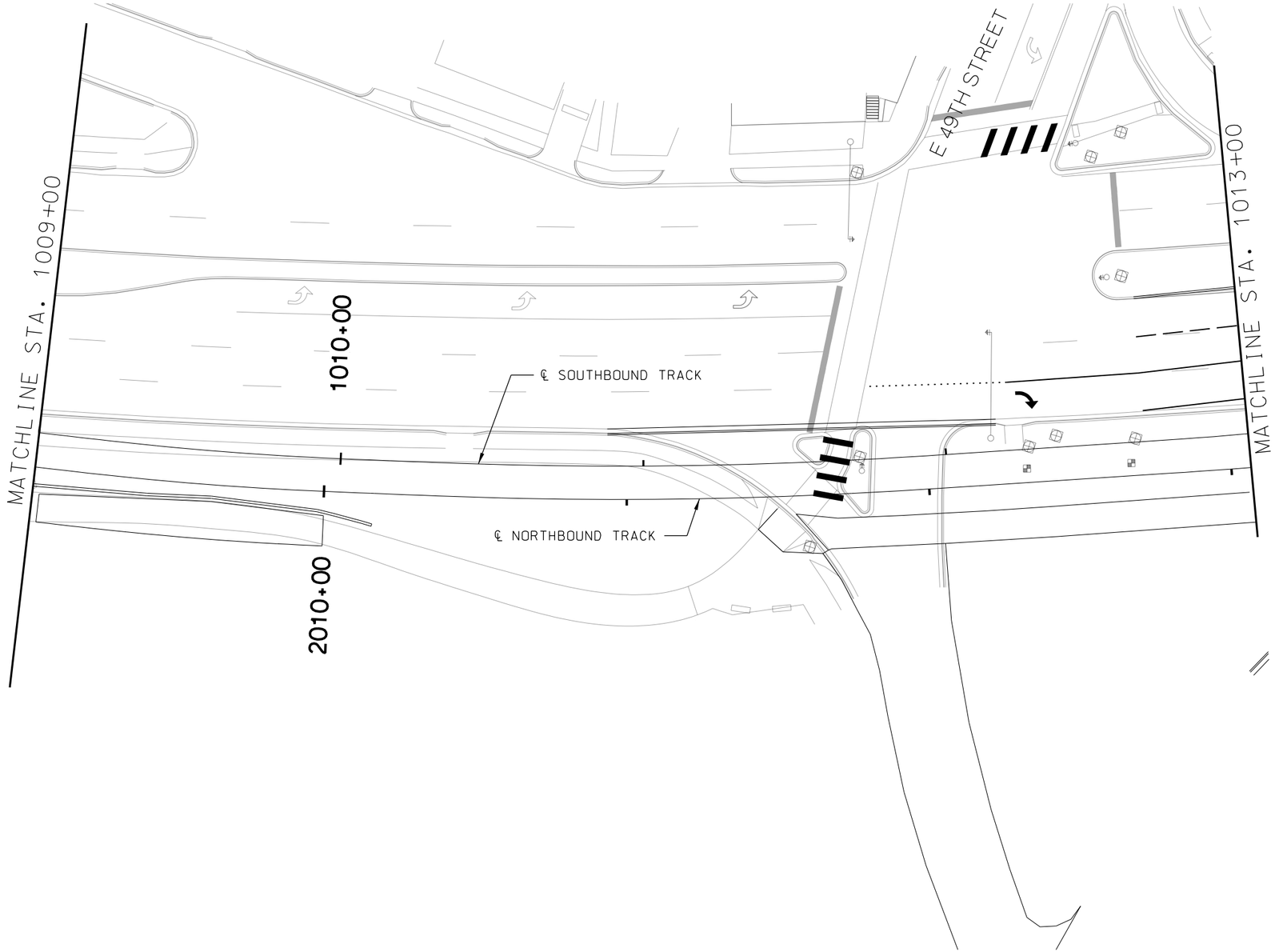
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1005+00 TO STA 1009+00

SCALE FOR 22"x34": H: 1"=20'
FILENAME: S103.dgn
CONTRACT NO.: ##########
VOLUME: 1

DRAWING NO.:	SHEET NO.:
S103	166

SCALE
0 20 40 60



GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.

LEGEND

PROPOSED SIGNALIZED INTERSECTION

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MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:45:45 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

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KANSAS CITY STREETCAR MAIN STREET EXTENSION

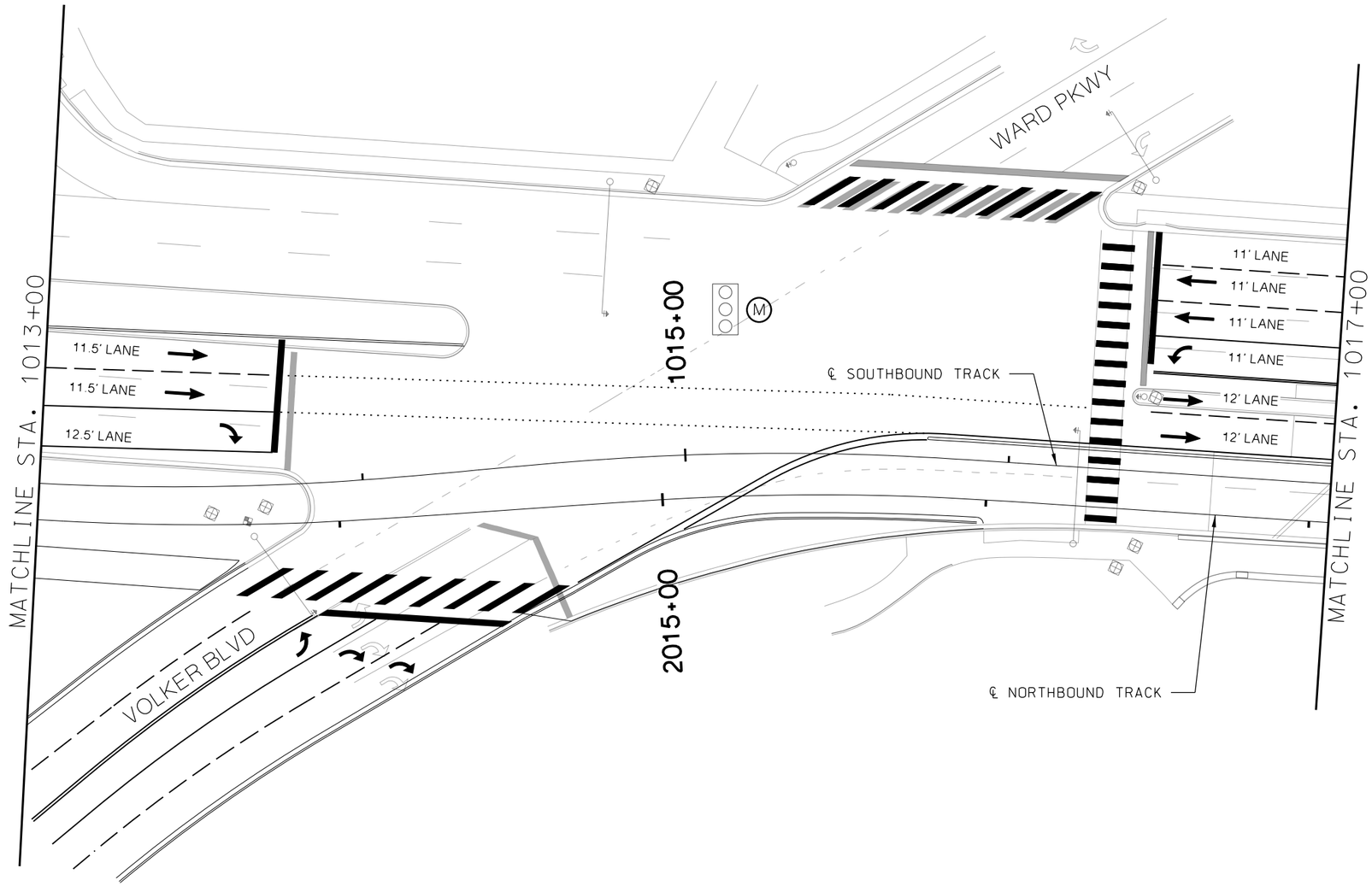
SIGNING AND STRIPING PLAN
49TH STREET
SB STA 1009+00 TO STA 1013+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S104.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: S104	SHEET NO.: 167

SCALE
0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:45:58 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
VOLKER BOULEVARD
SB STA 1013+00 TO STA 1017+00

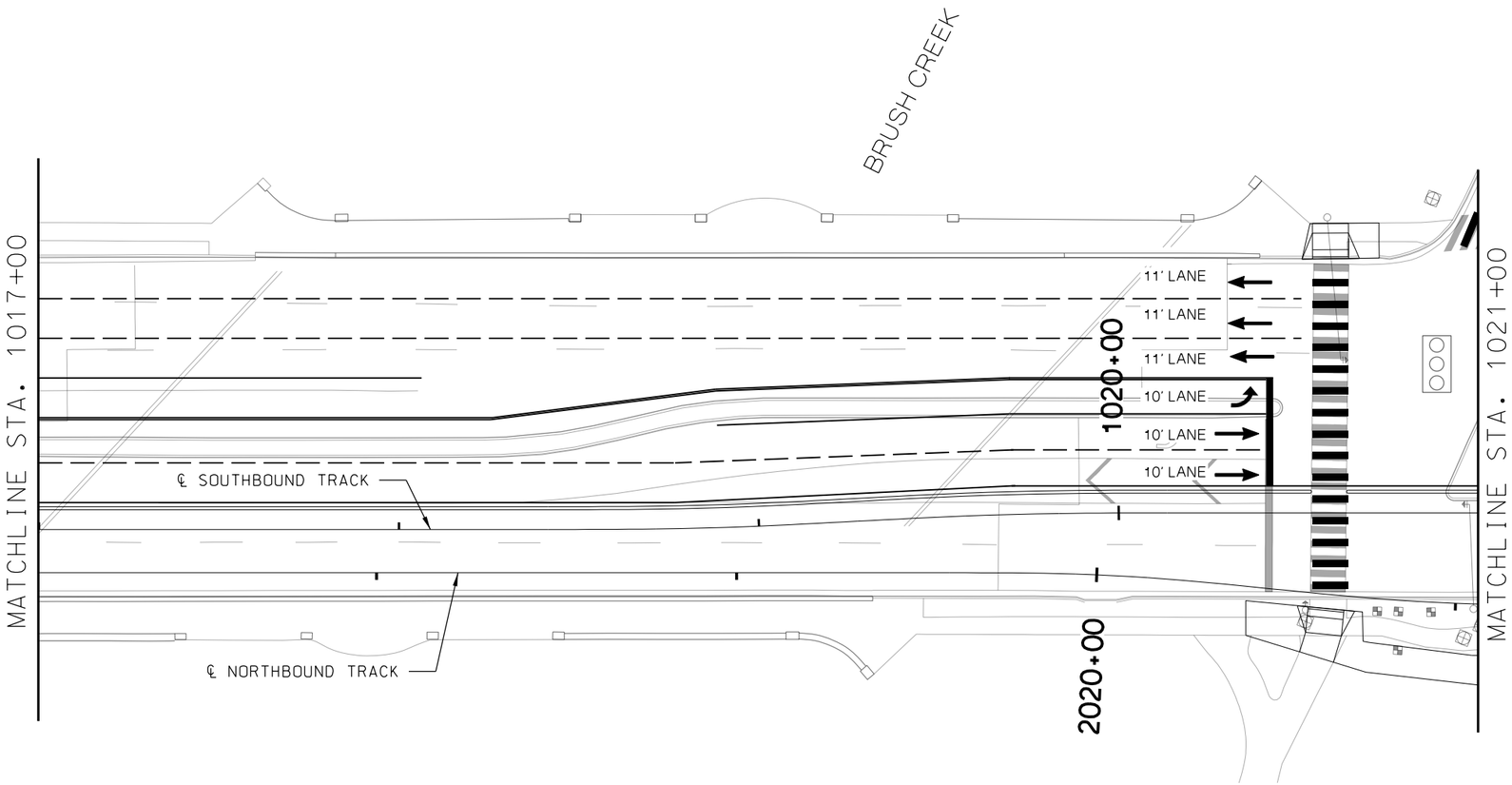
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S105.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S105
SHEET NO.:	168

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:46:11 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

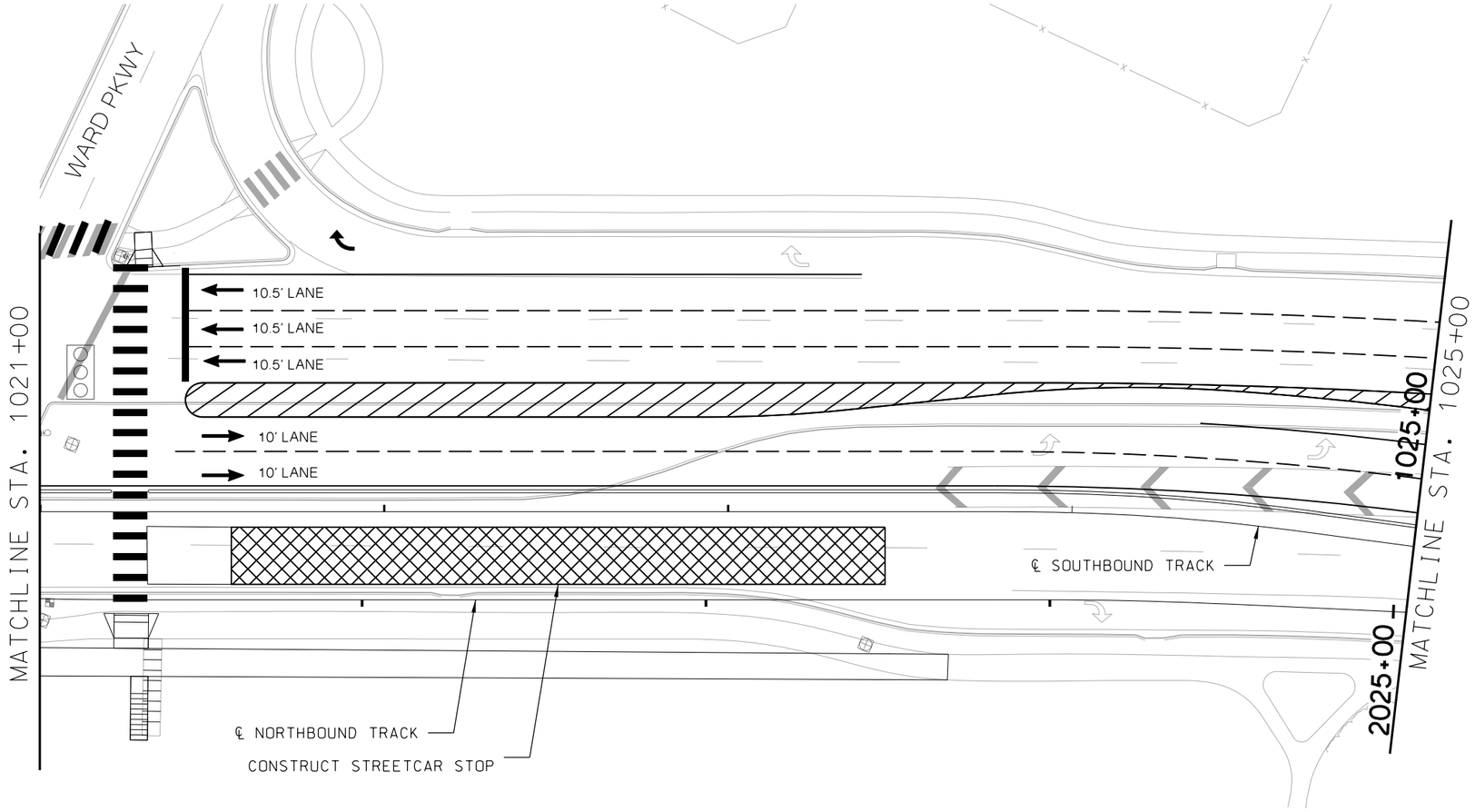
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
BRUSH CREEK
SB STA 1017+00 TO STA 1021+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S106.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S106	SHEET NO.: 169

SCALE
0 20 40 60



GENERAL NOTES

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LEGEND

PROPOSED SIGNALIZED INTERSECTION

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MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:46:24 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

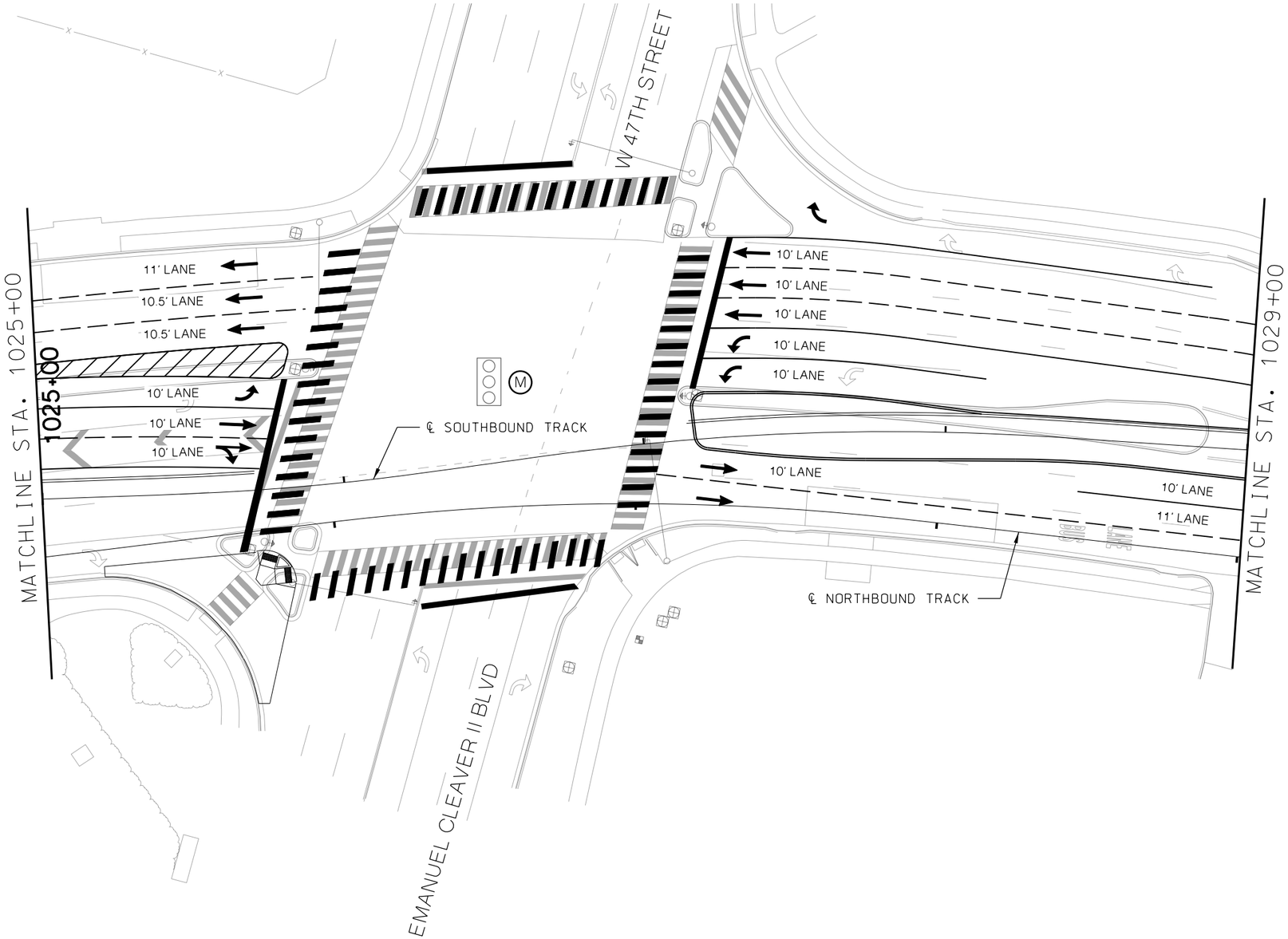
NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
WARD PARKWAY
SB STA 1021+00 TO STA 1025+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S107.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S107
SHEET NO.:	170

SCALE
0 20 40 60



GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.

LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:46:40 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

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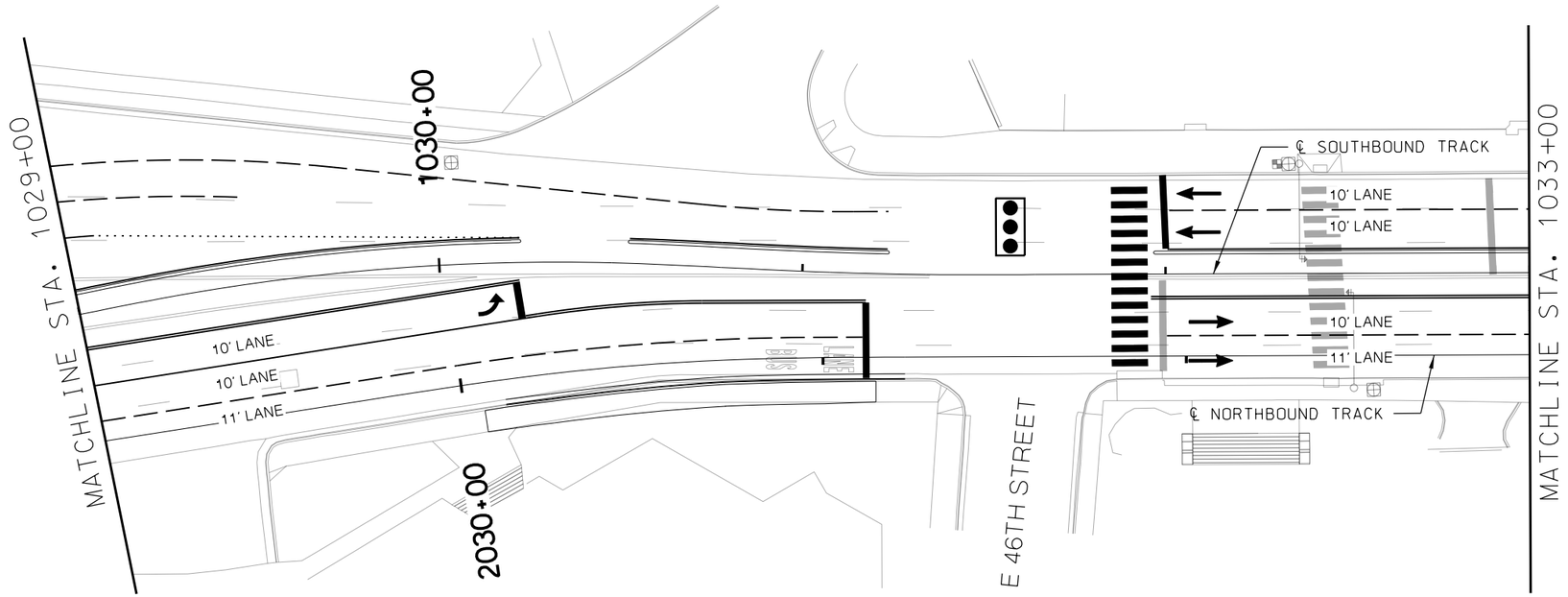
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
EMANUEL CLEAVER II BOULEVARD
SB STA 1025+00 TO STA 1029+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S108.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S108
SHEET NO.:	171

SCALE

0 20 40 60



GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.

LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:46:54 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
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KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
46TH STREET
SB STA 1029+00 TO STA 1033+00

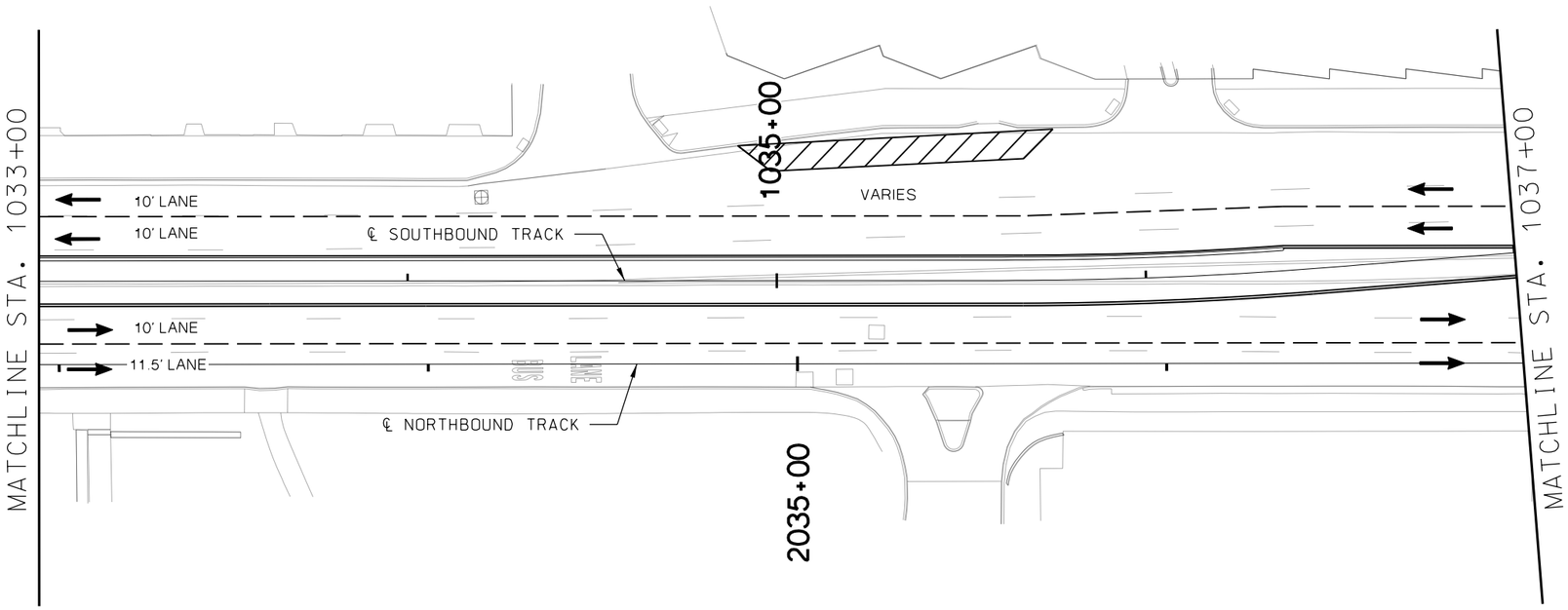
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S109.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S109
SHEET NO.:	172

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:47:10 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

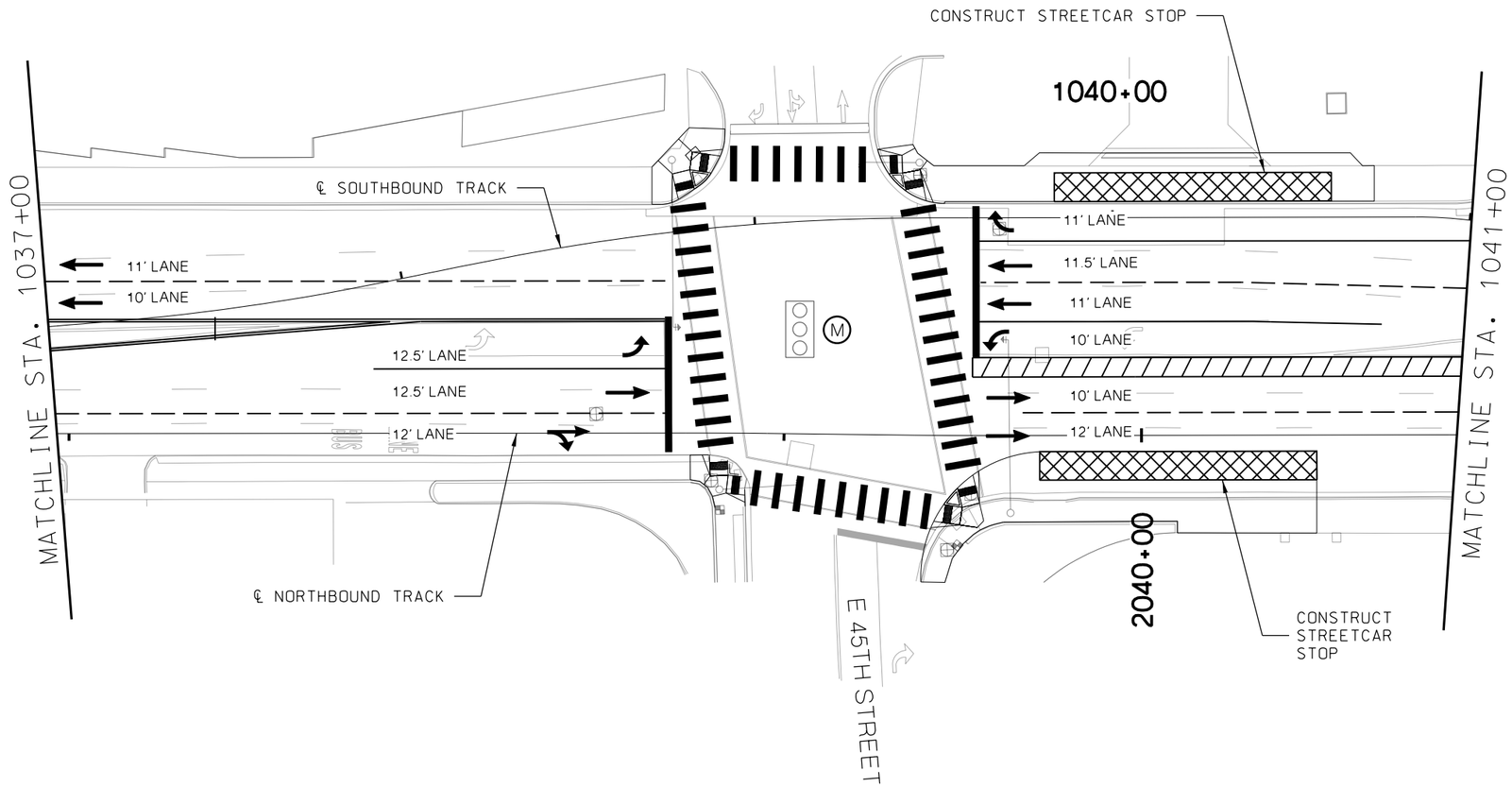
SIGNING AND STRIPING PLAN
SB STA 1033+00 TO STA 1037+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S110.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S110
SHEET NO.:	173

SCALE
0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:47:24 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
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816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
45TH STREET
SB STA 1037+00 TO STA 1041+00

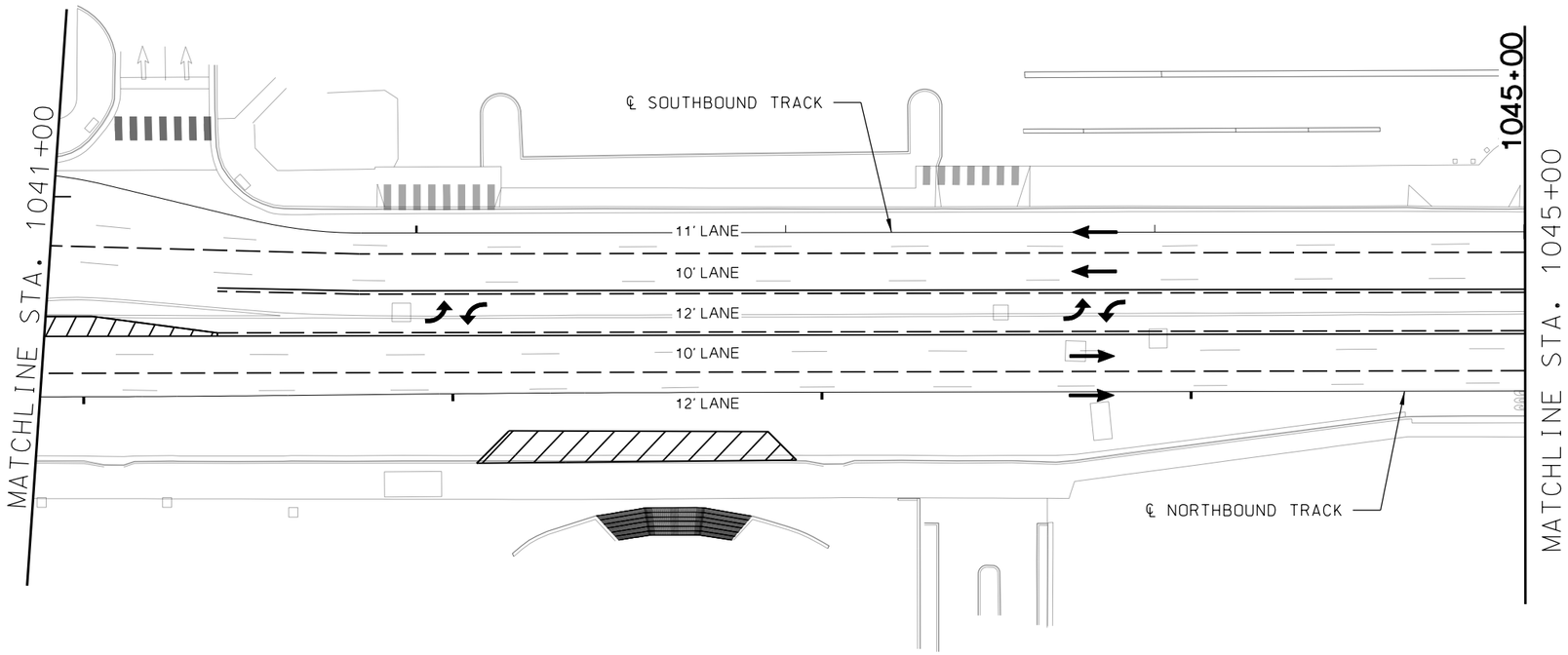
SCALE FOR 22"x34": H: 1"=20'	
FILENAME:	S111.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S111
SHEET NO.:	174

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:47:39 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
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816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1041+00 TO STA 1045+00

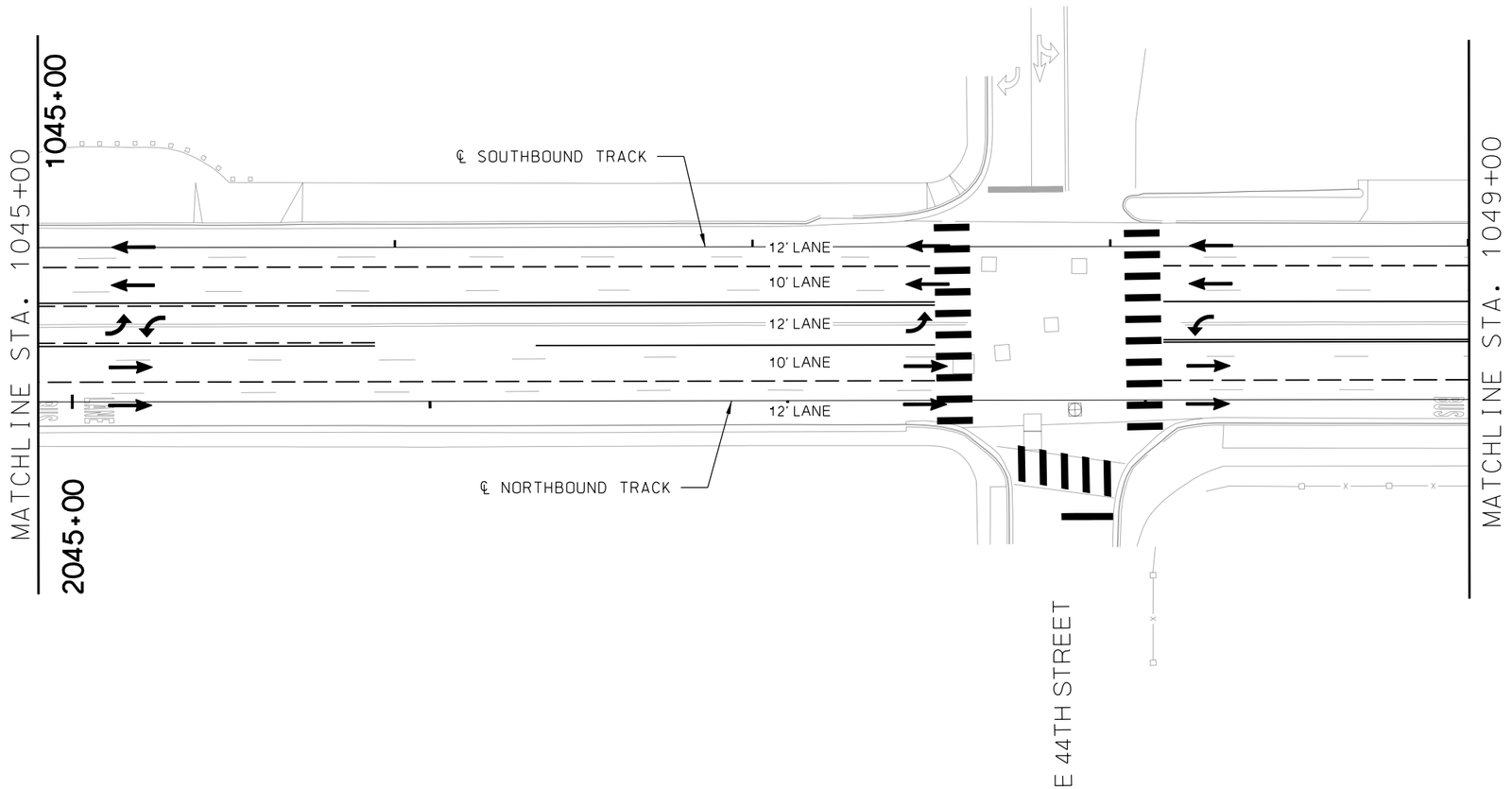
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S112.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: S112	SHEET NO.: 175

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:47:54 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Certificate of Authority: 000856

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KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
44TH STREET
SB STA 1045+00 TO STA 1049+00

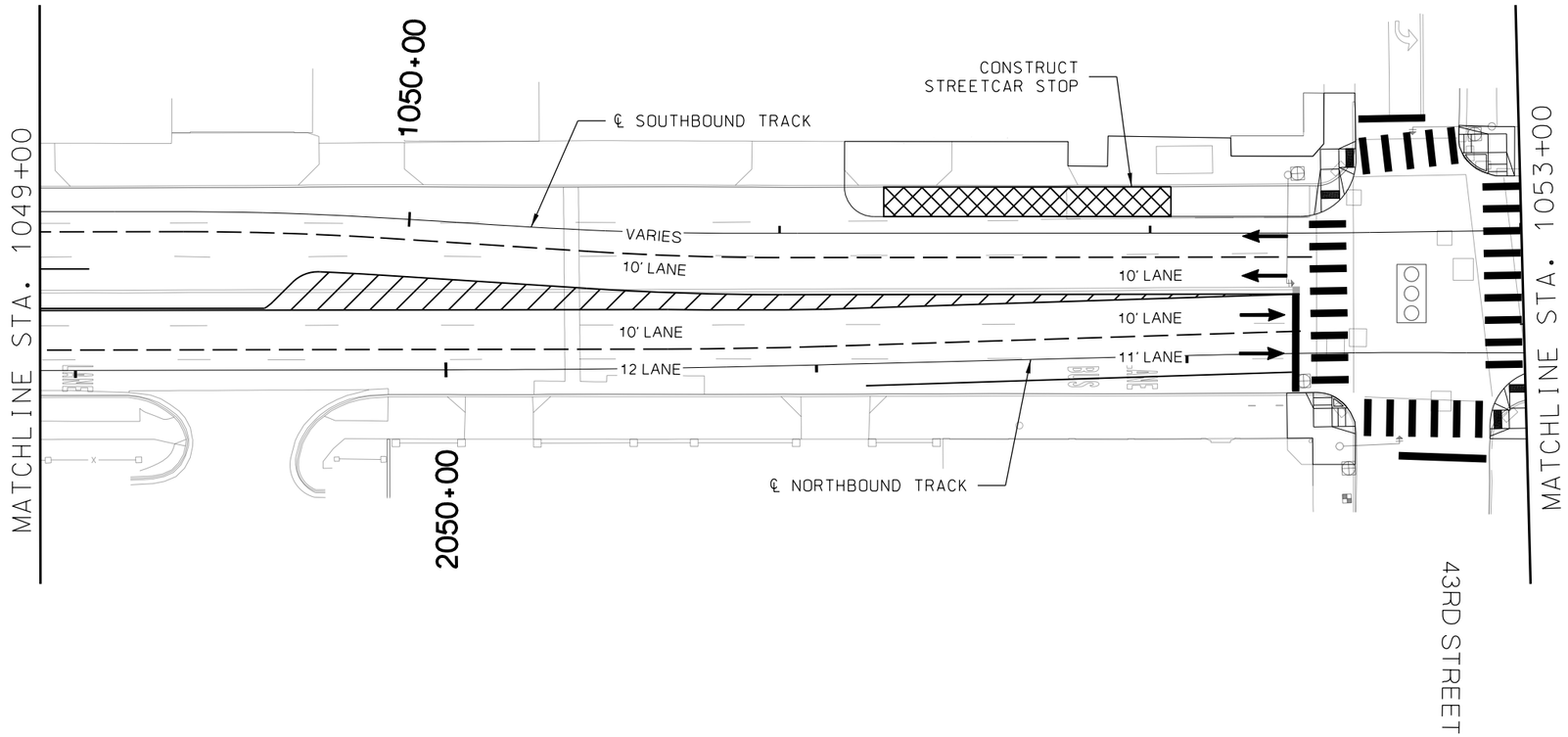
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S113.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S113	SHEET NO.: 176

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:48:10 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

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KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
43RD STREET
SB STA 1049+00 TO STA 1053+00

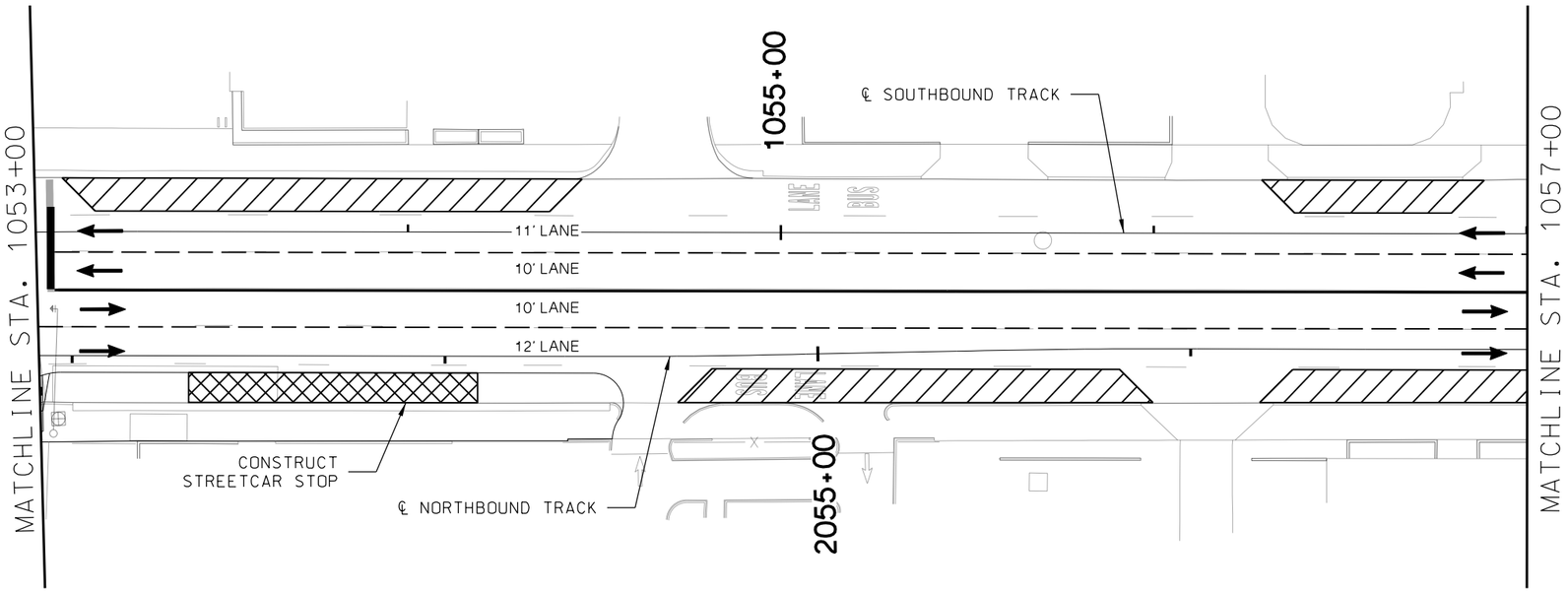
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S114.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: S114	SHEET NO.: 177

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:48:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

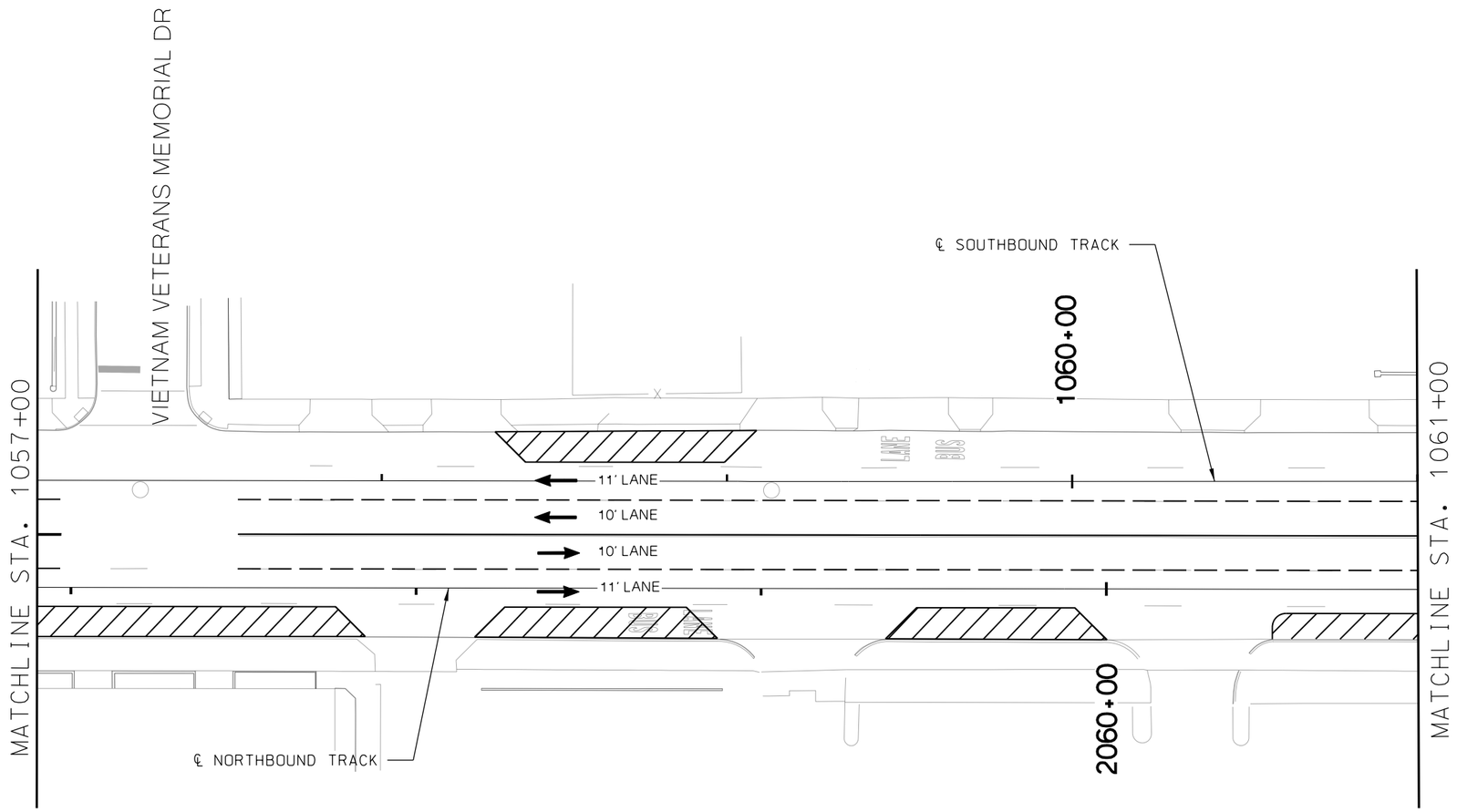
SIGNING AND STRIPING PLAN
43RD STREET
SB STA 1053+00 TO STA 1057+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S115.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S115
SHEET NO.:	178

SCALE
0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:48:41 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
VIETNAM VETRANS MEMORIAL DRIVE
SB STA 1057+00 TO STA 1061+00

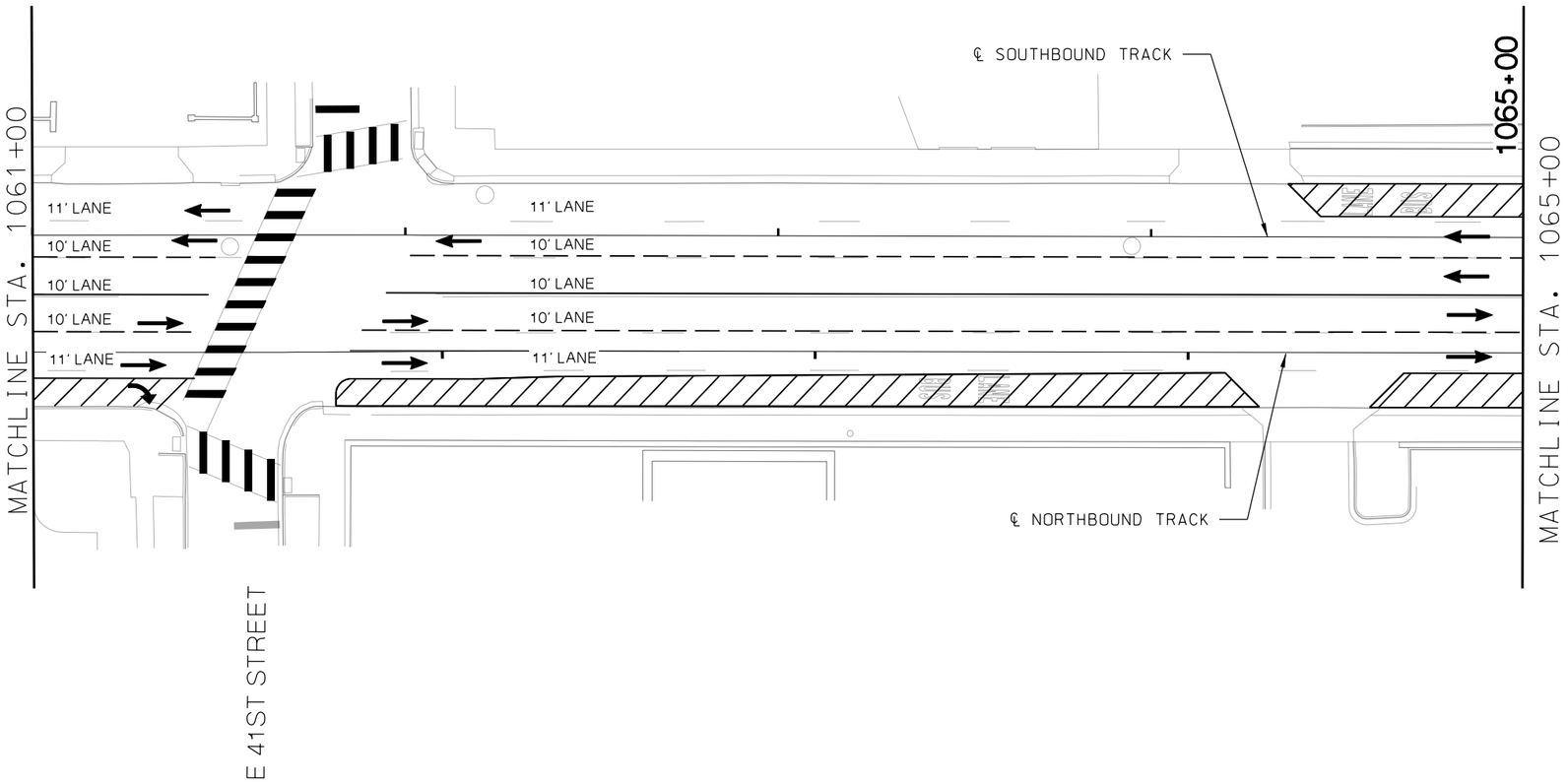
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S116.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S116
SHEET NO.:	179

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:48:57 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
41ST STREET
SB STA 1061+00 TO STA 1065+00

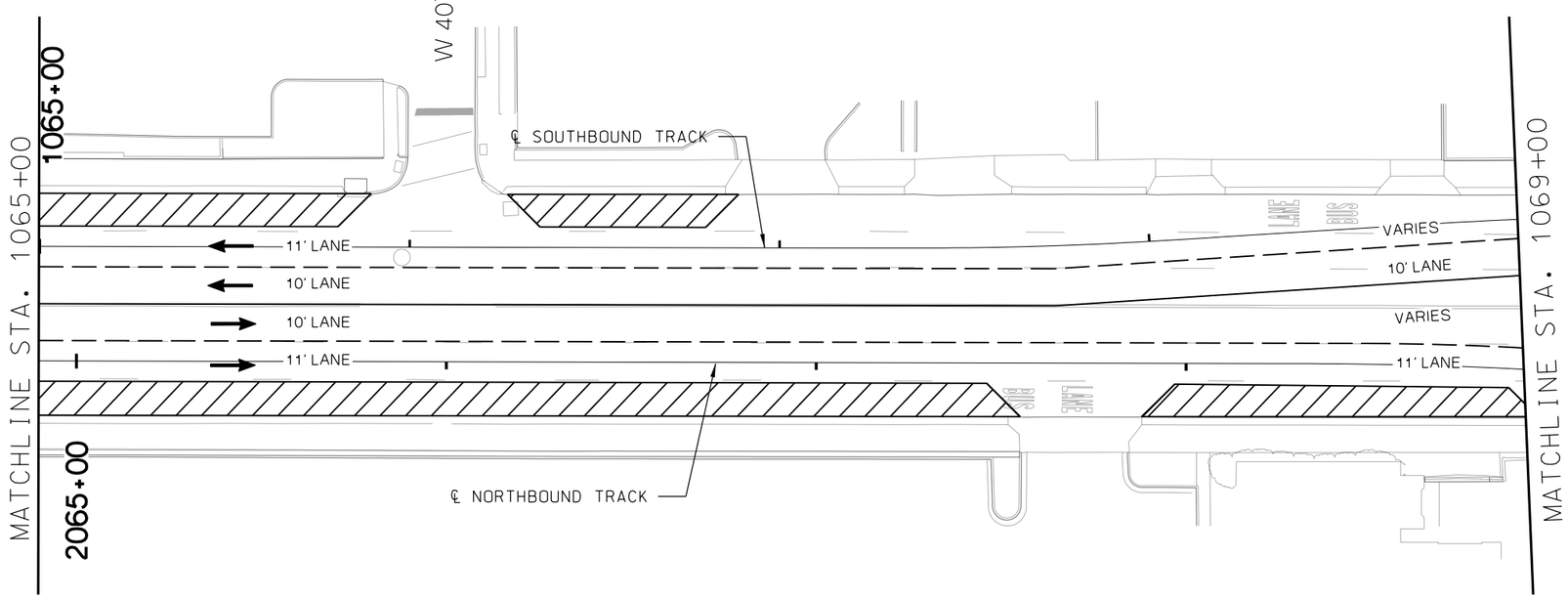
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S117.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S117
SHEET NO.:	180

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:49:14 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

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KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
40TH WAY
SB STA 1065+00 TO STA 1069+00

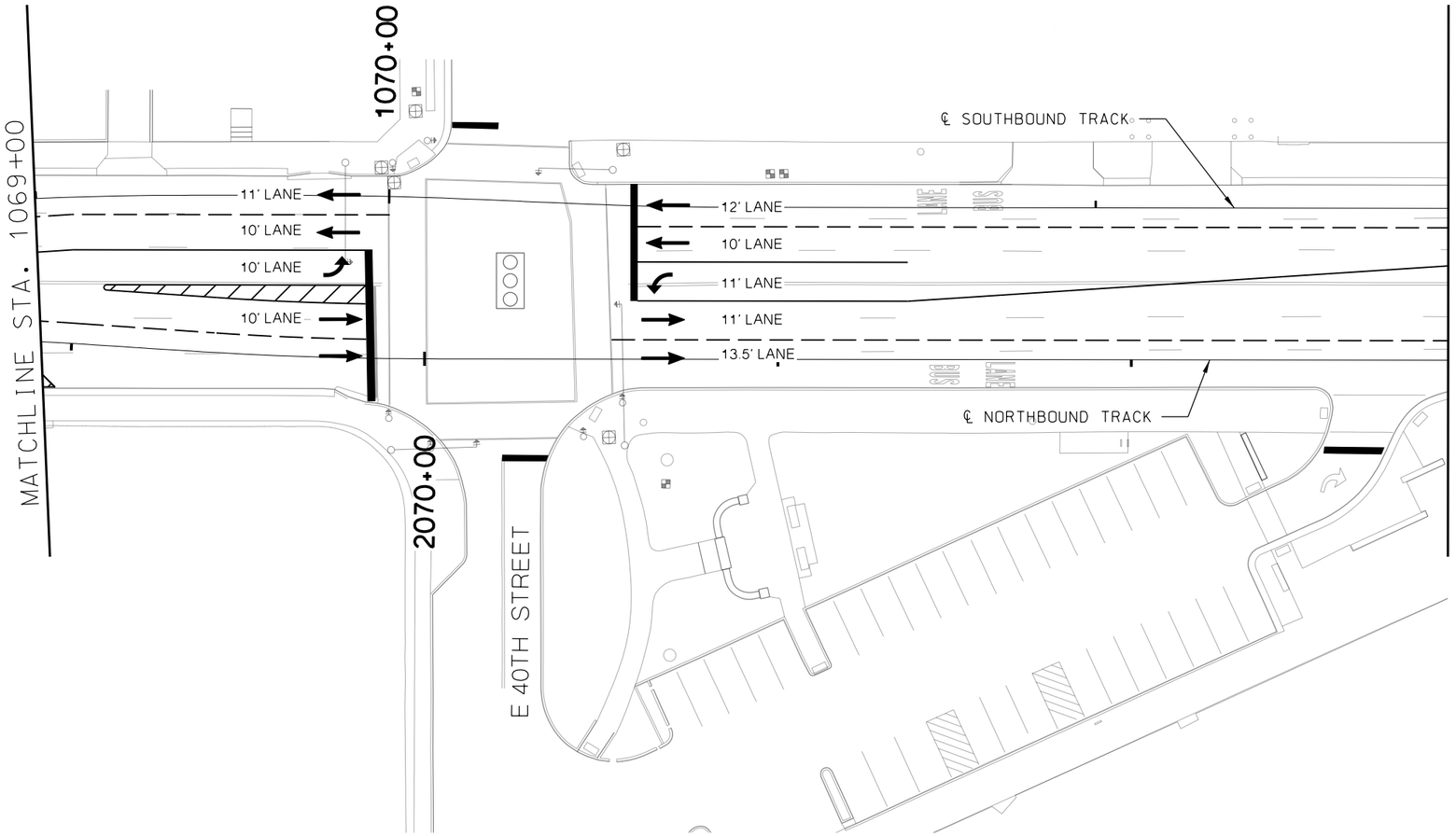
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S118.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S118
SHEET NO.:	181

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

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MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:49:30 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

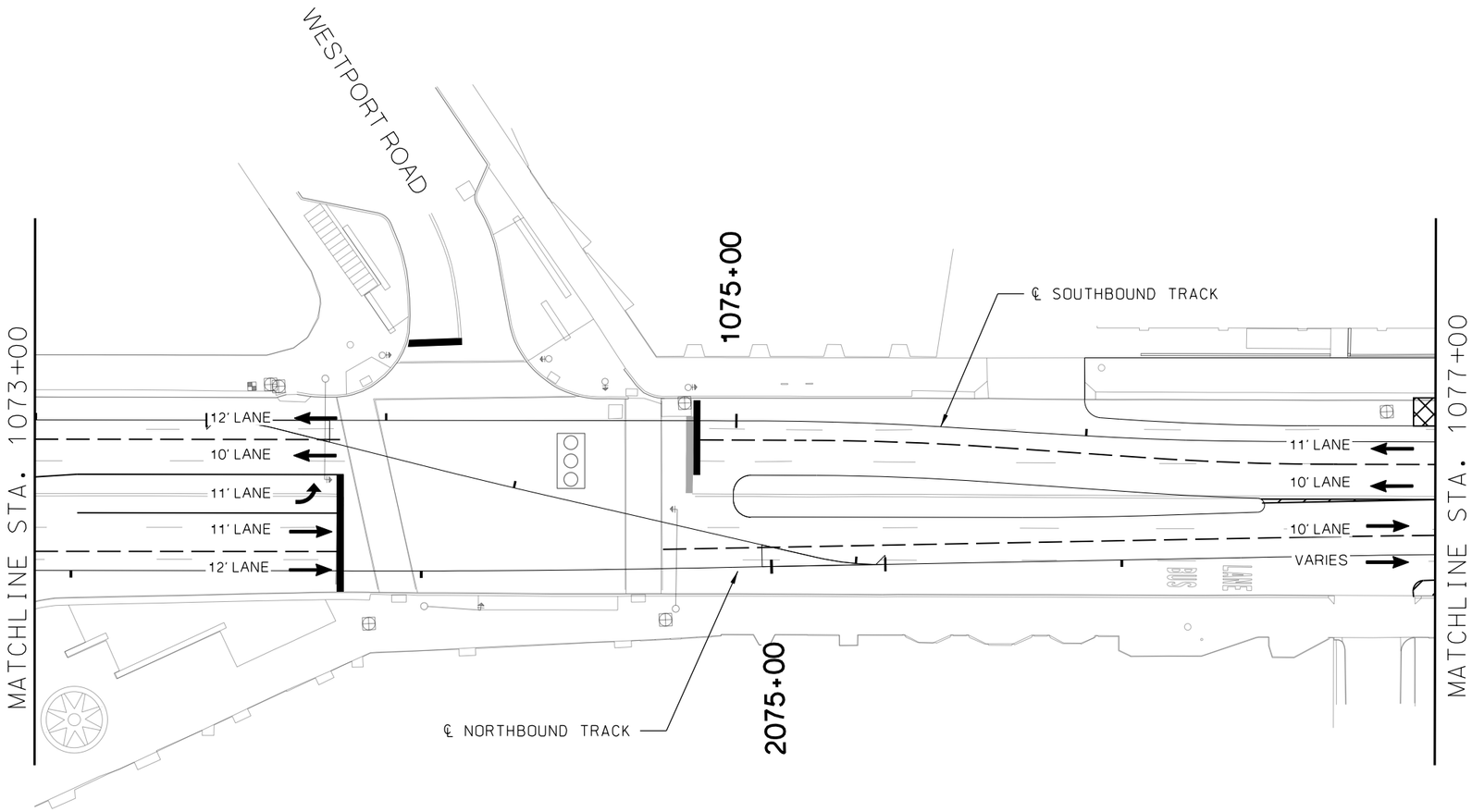
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
40TH STREET
SB STA 1069+00 TO STA 1073+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S119.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S119
SHEET NO.:	182

SCALE

0 20 40 60



GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
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LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:49:47 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

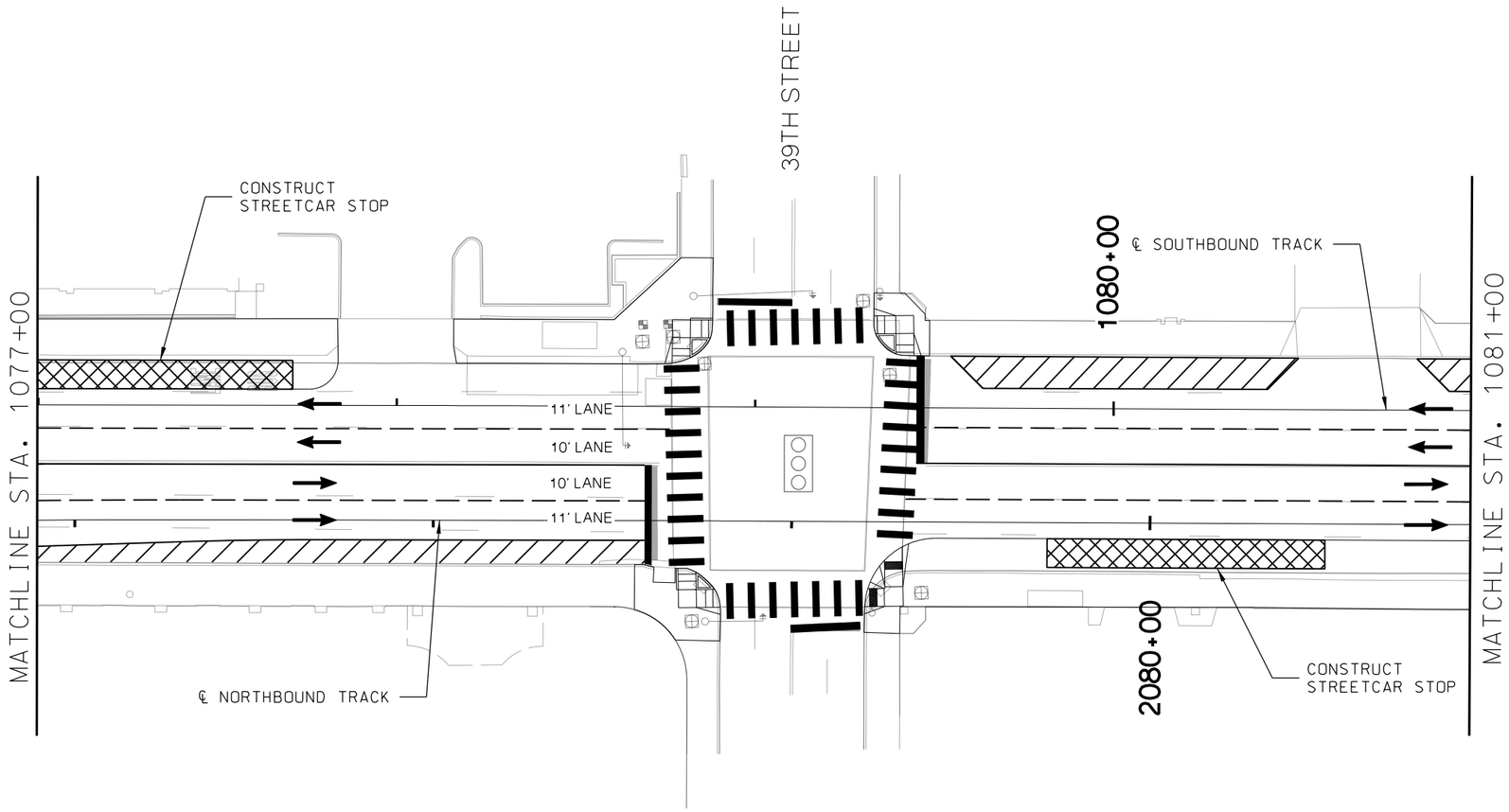
SIGNING AND STRIPING PLAN
WESTPORT ROAD
SB STA 1073+00 TO STA 1077+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S120.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S120
SHEET NO.:	183

SCALE
0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:51:30 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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Kansas City, MO 64131-3471
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Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
39TH STREET
SB STA 1077+00 TO STA 1081+00

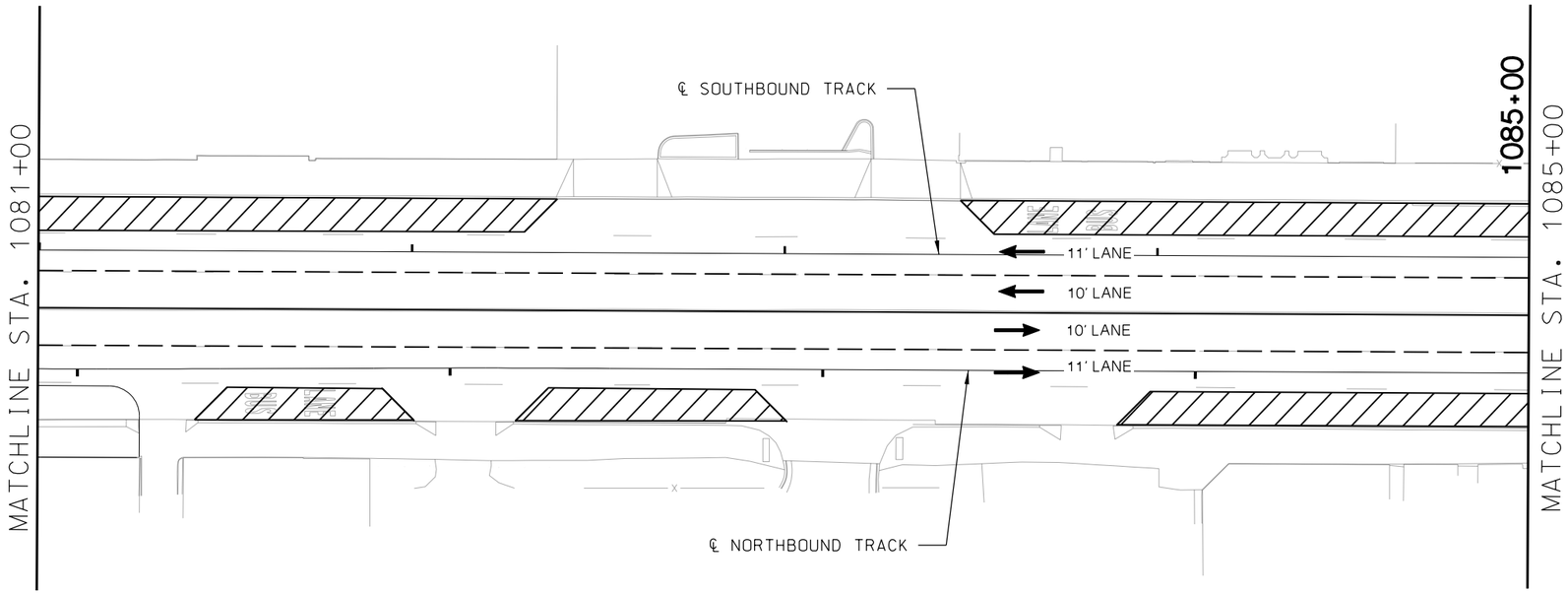
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S121.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S121	SHEET NO.: 184

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:51:45 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1081+00 TO STA 1085+00

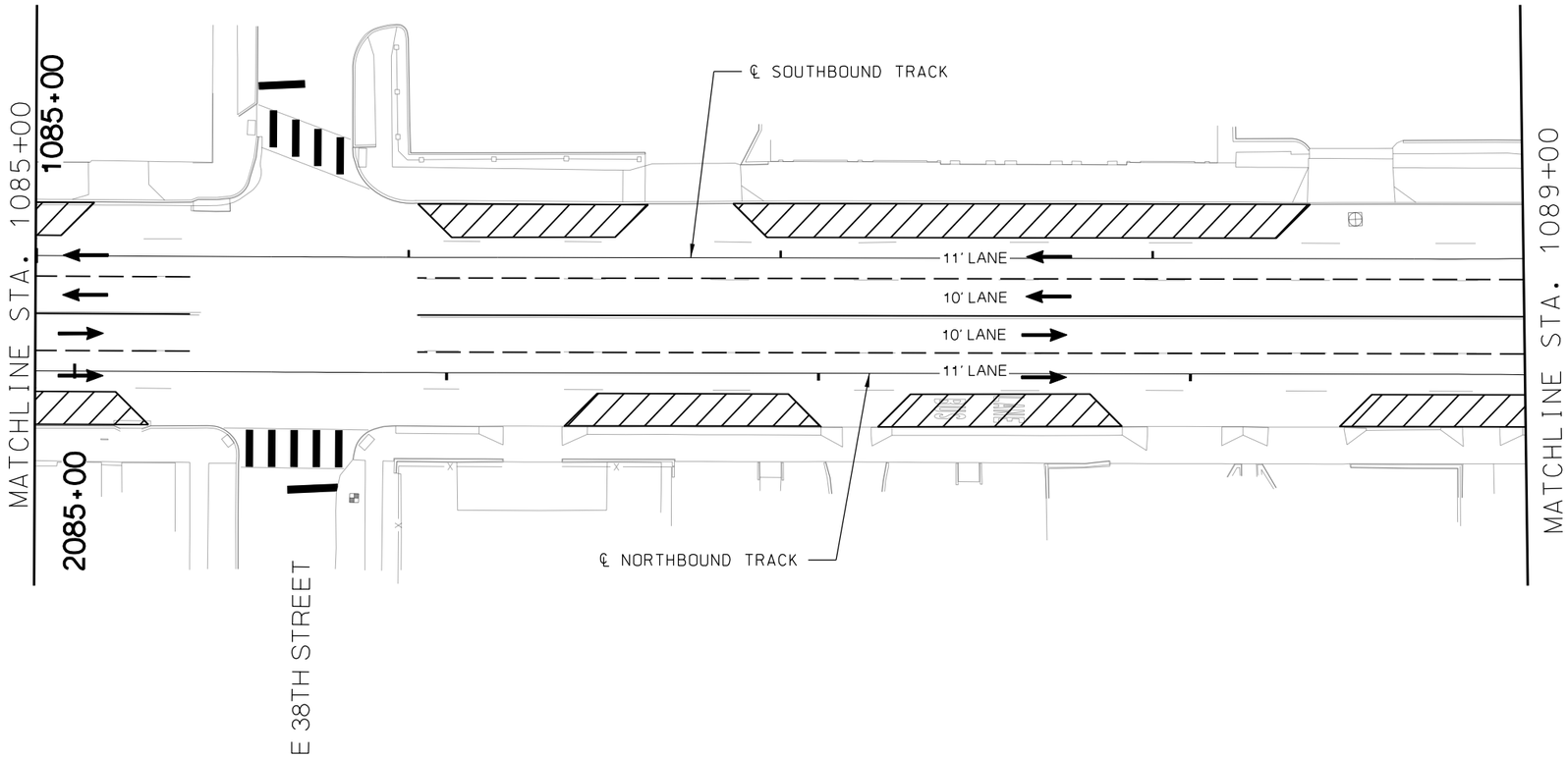
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S122.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S122
SHEET NO.:	185

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:52:01 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
38TH STREET
SB STA 1085+00 TO STA 1089+00

SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S123.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S123	SHEET NO.: 186

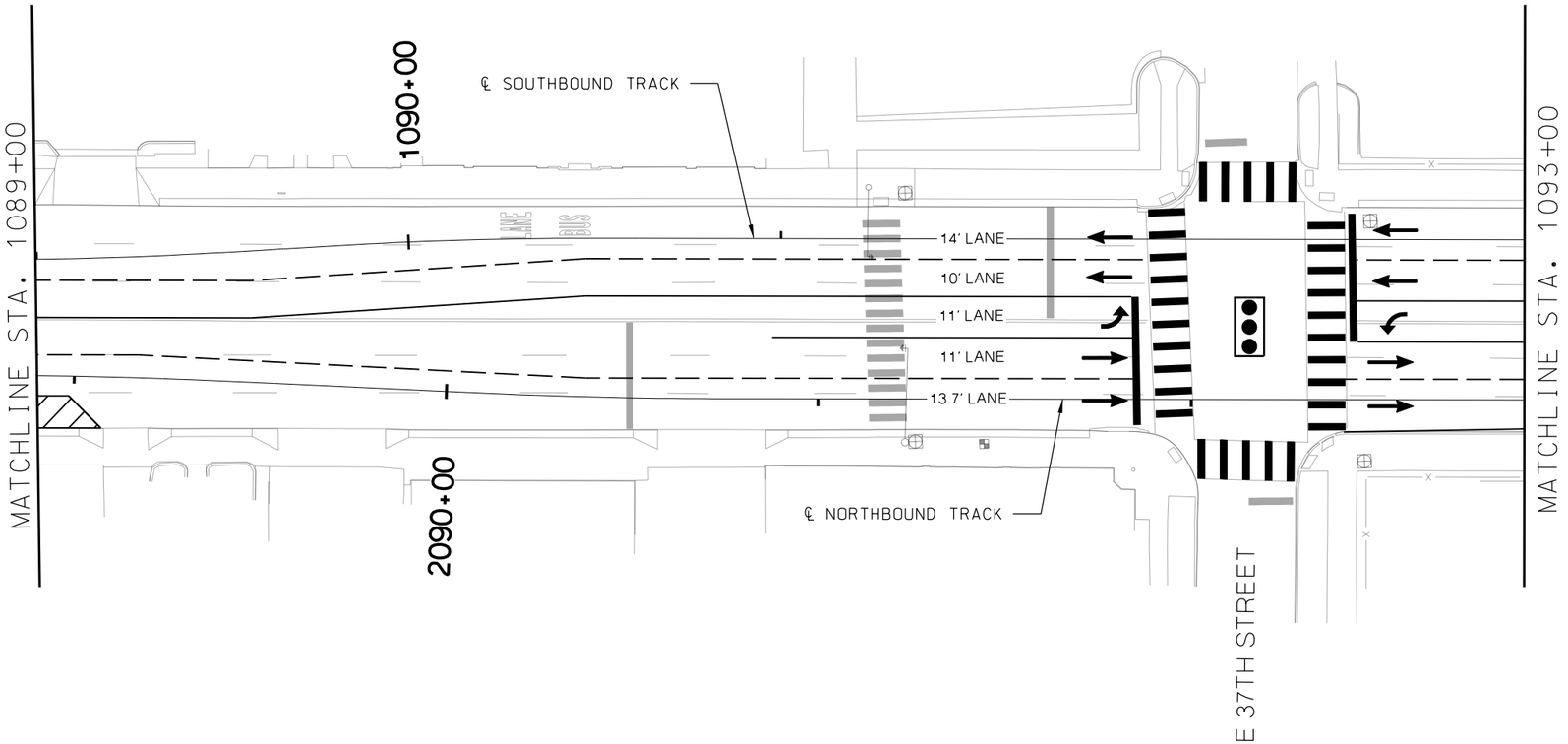
SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.

2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:52:16 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
37TH STREET
SB STA 1089+00 TO STA 1093+00

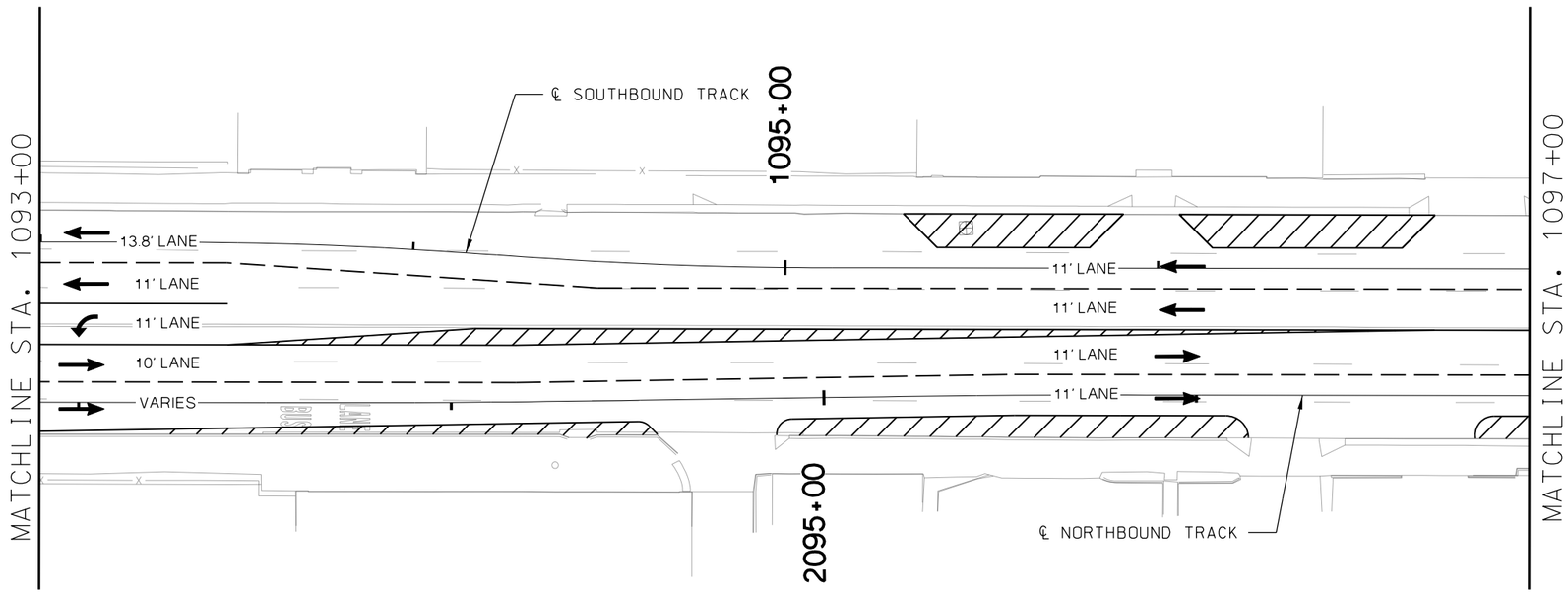
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S124.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S124
SHEET NO.:	187

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION
PLOT DATE:	2/25/2019	4:52:32 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
36TH STREET
SB STA 1093+00 TO STA 1097+00

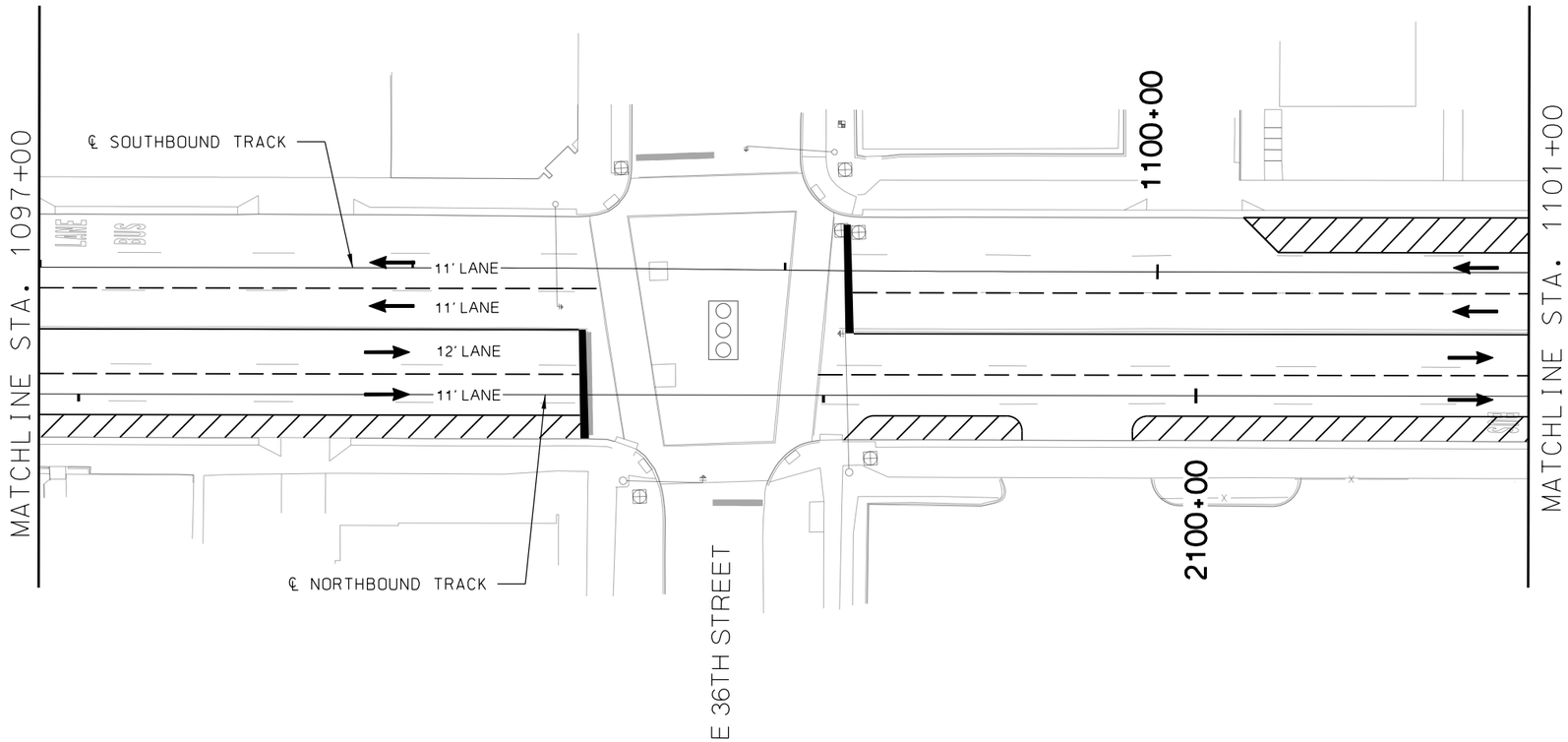
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S125.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S125	SHEET NO.: 188

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:53:07 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
36TH STREET
SB STA 1097+00 TO STA 1101+00

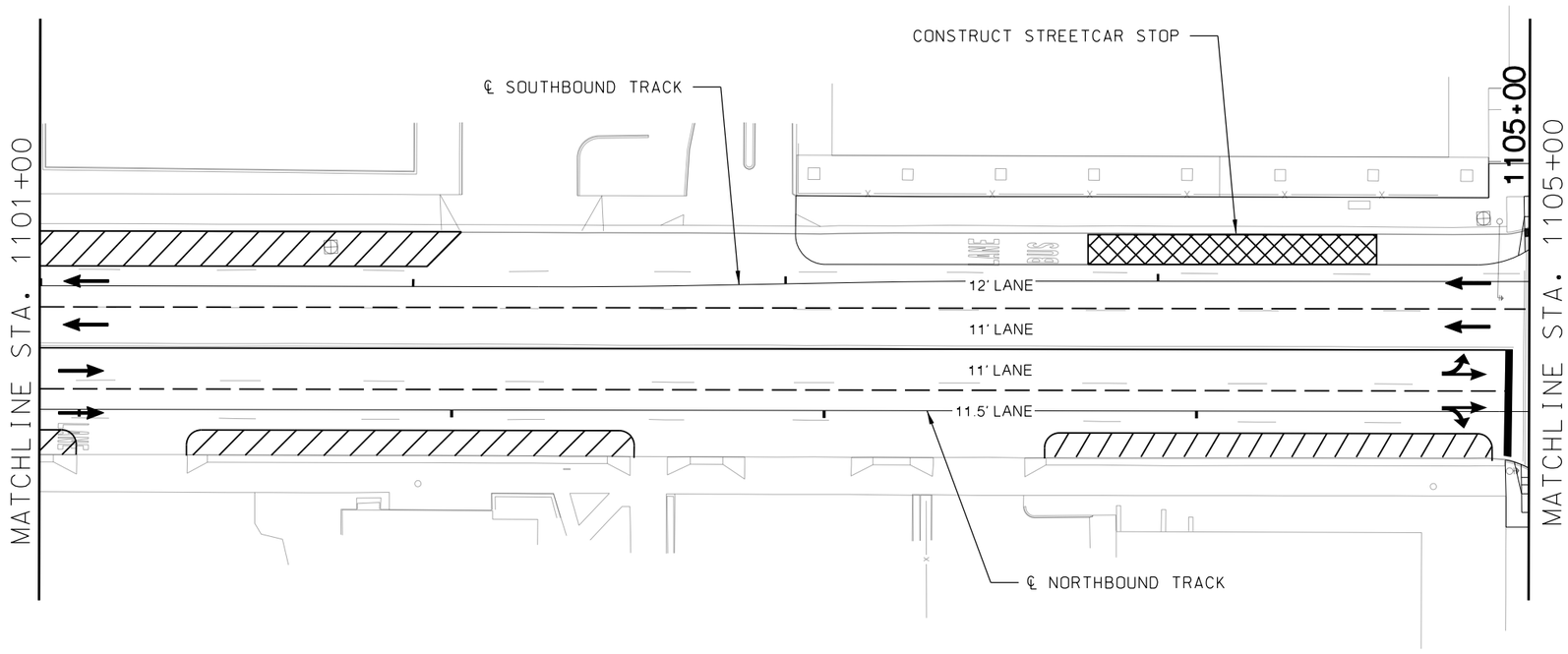
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S126.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S126	SHEET NO.: 189

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:53:25 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1101+00 TO STA 1105+00

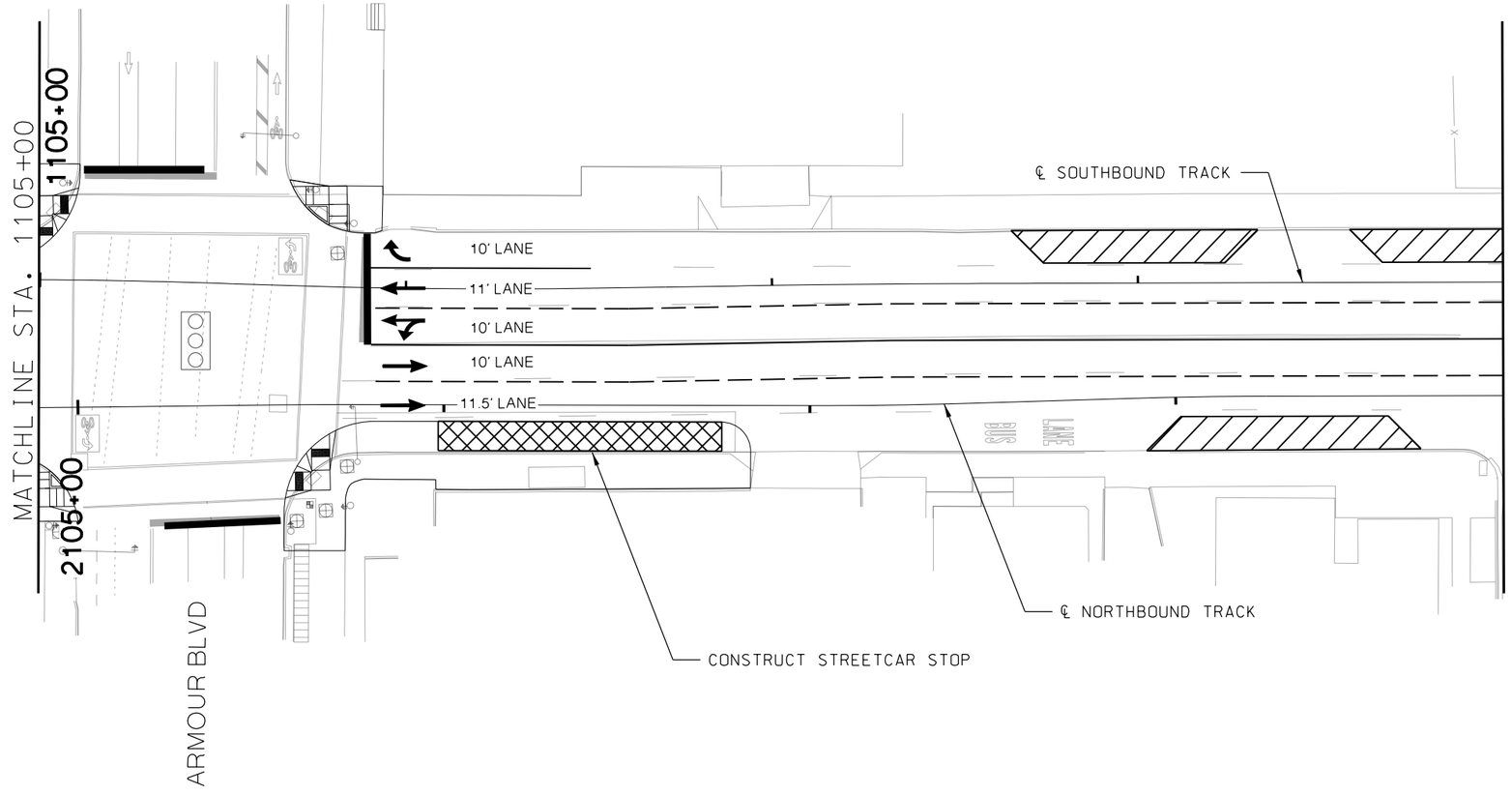
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S127.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S127
SHEET NO.:	190

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:53:42 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
ARMOUR BOULEVARD
SB STA 1105+00 TO STA 1109+00

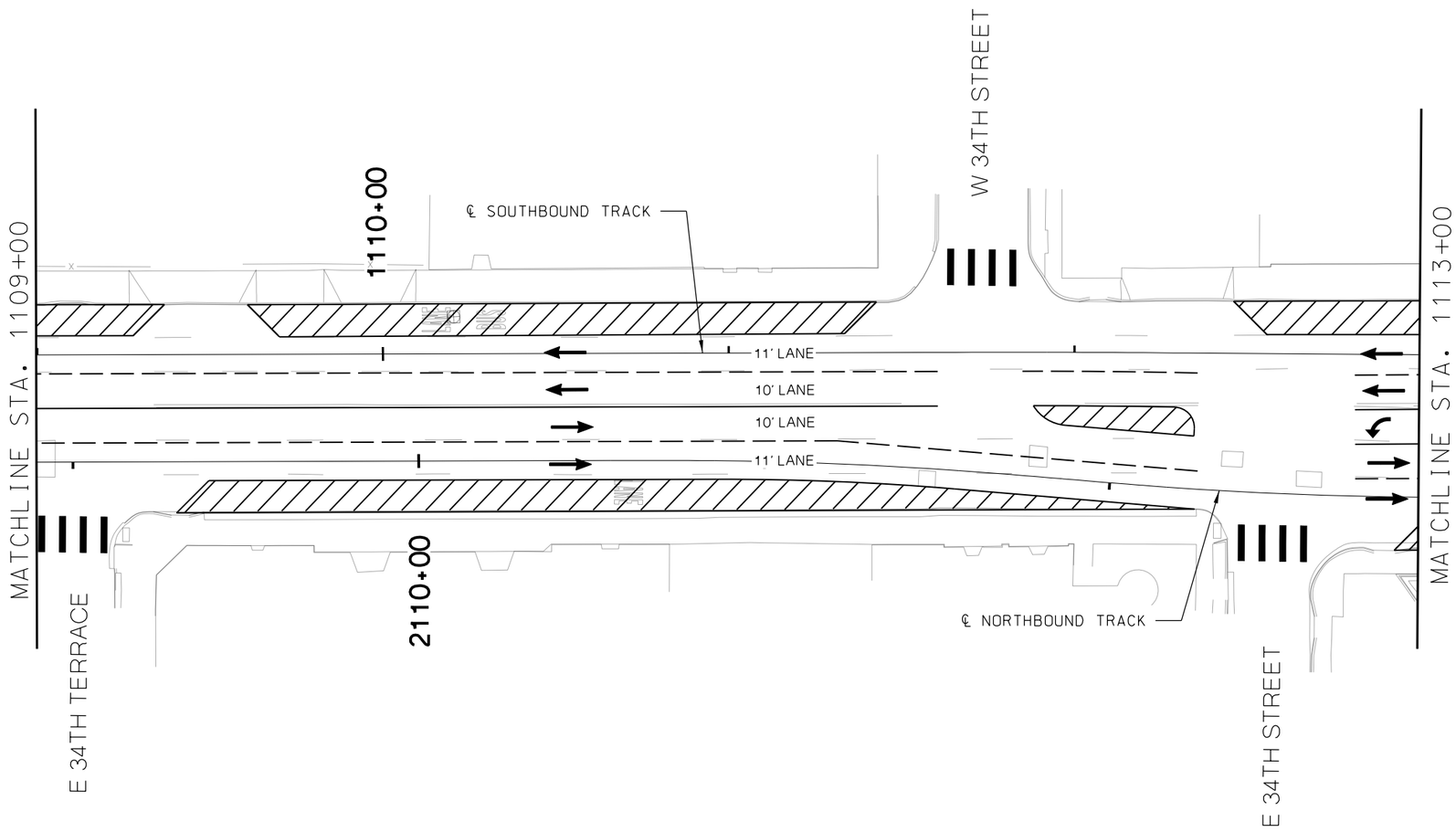
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S128.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: S128	SHEET NO.: 191

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:53:59 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
34TH WAY
SB STA 1109+00 TO STA 1113+00

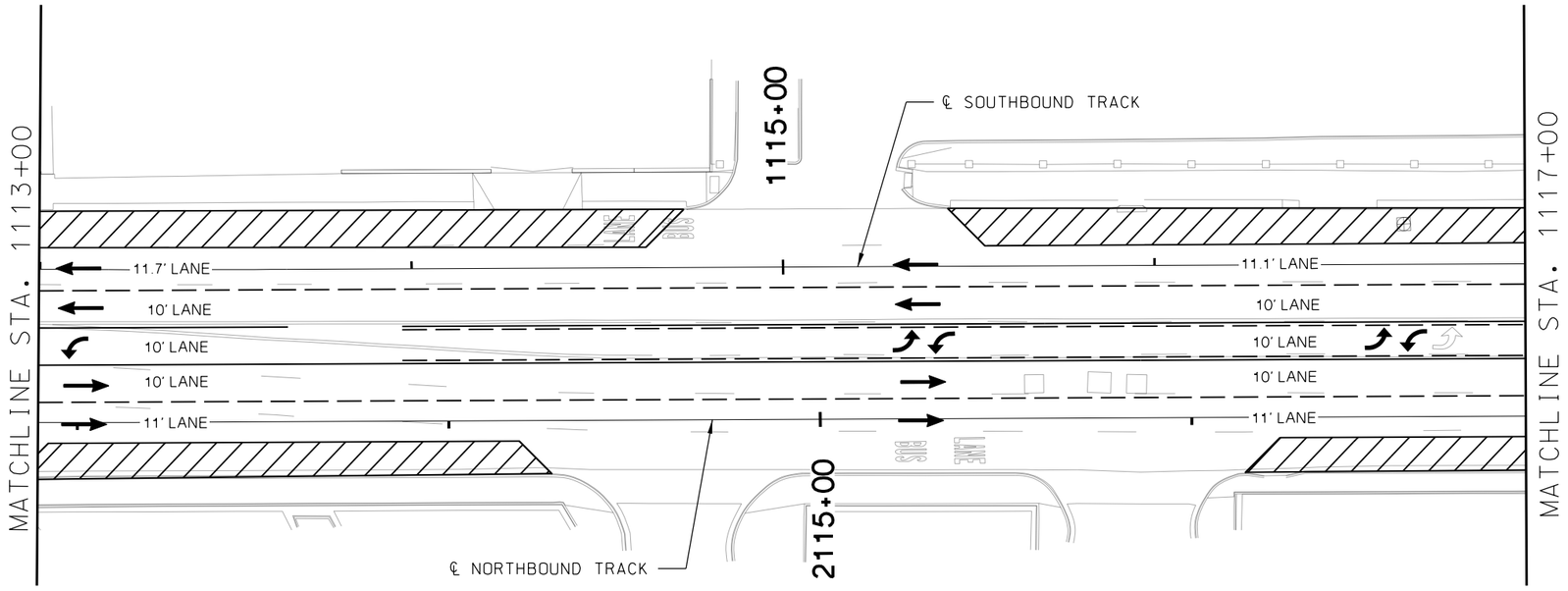
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S129.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S129
SHEET NO.:	192

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:54:16 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

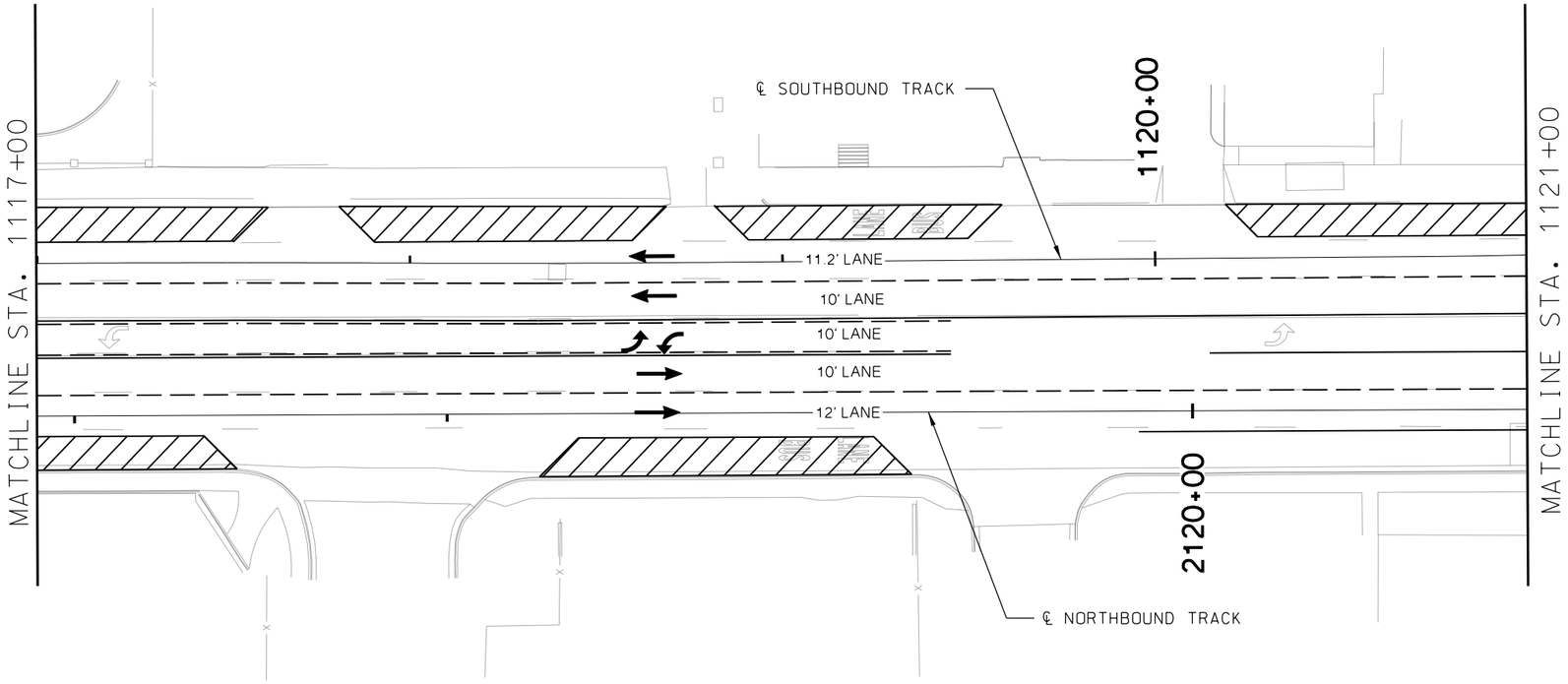
KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1113+00 TO STA 1117+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S130.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S130
SHEET NO.:	193

SCALE

0 20 40 60



GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.

LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:54:34 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1117+00 TO STA 1121+00

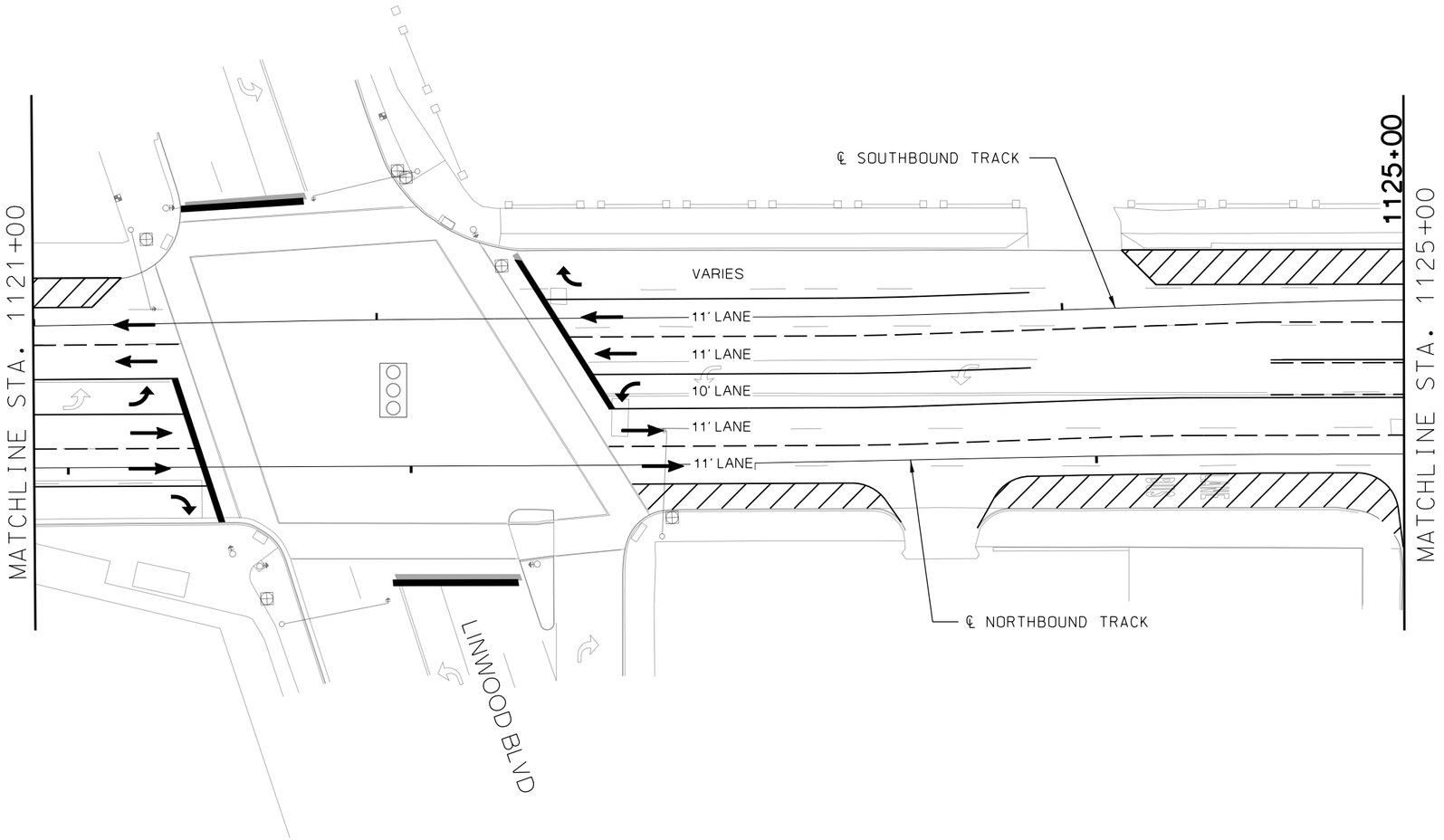
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S131.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S131
SHEET NO.:	194

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:54:52 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
LINWOOD BOULEVARD
SB STA 1121+00 TO STA 1125+00

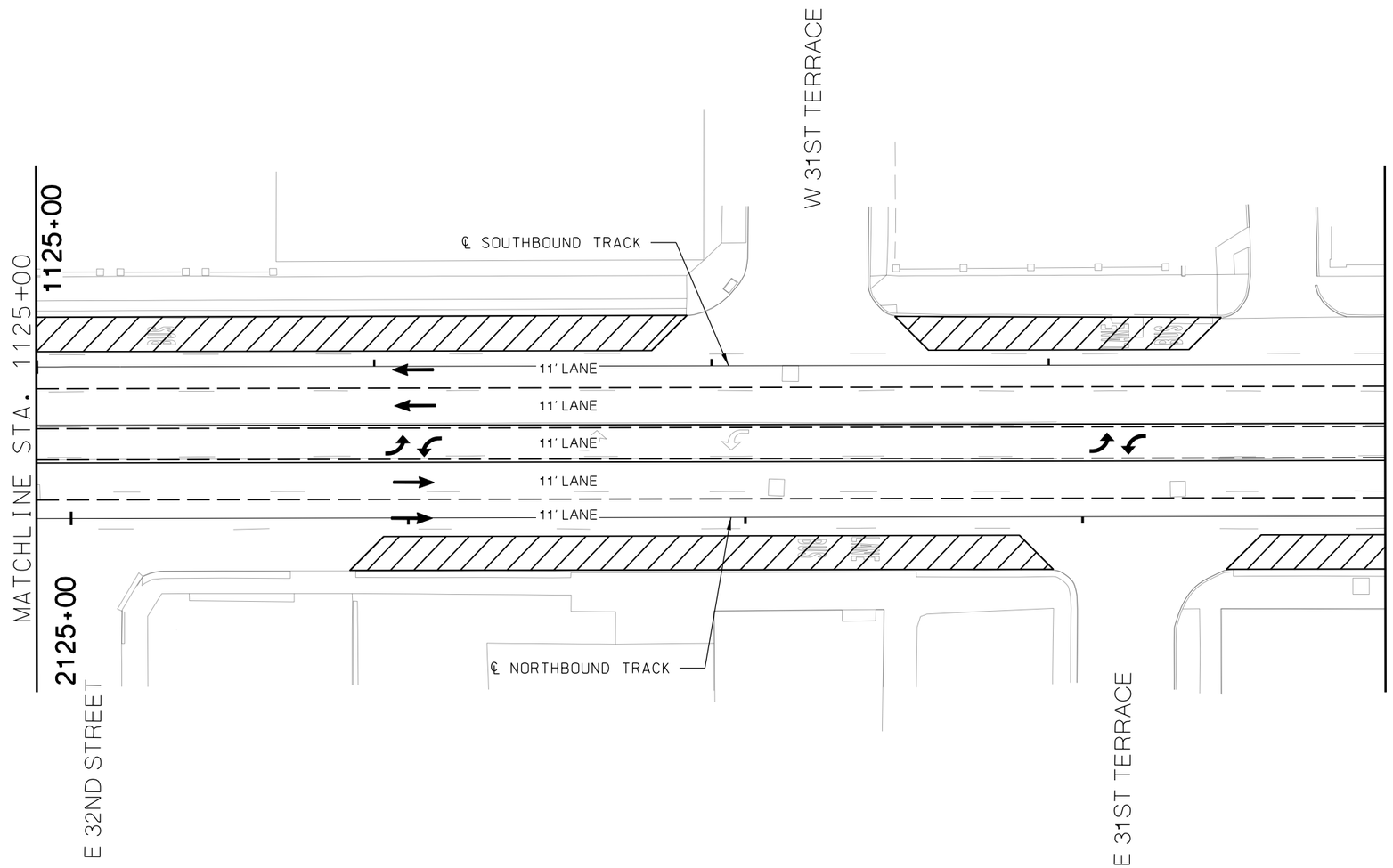
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S132.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S132	SHEET NO.: 195

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:55:11 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
31ST TERRACE
SB STA 1125+00 TO STA 1129+00

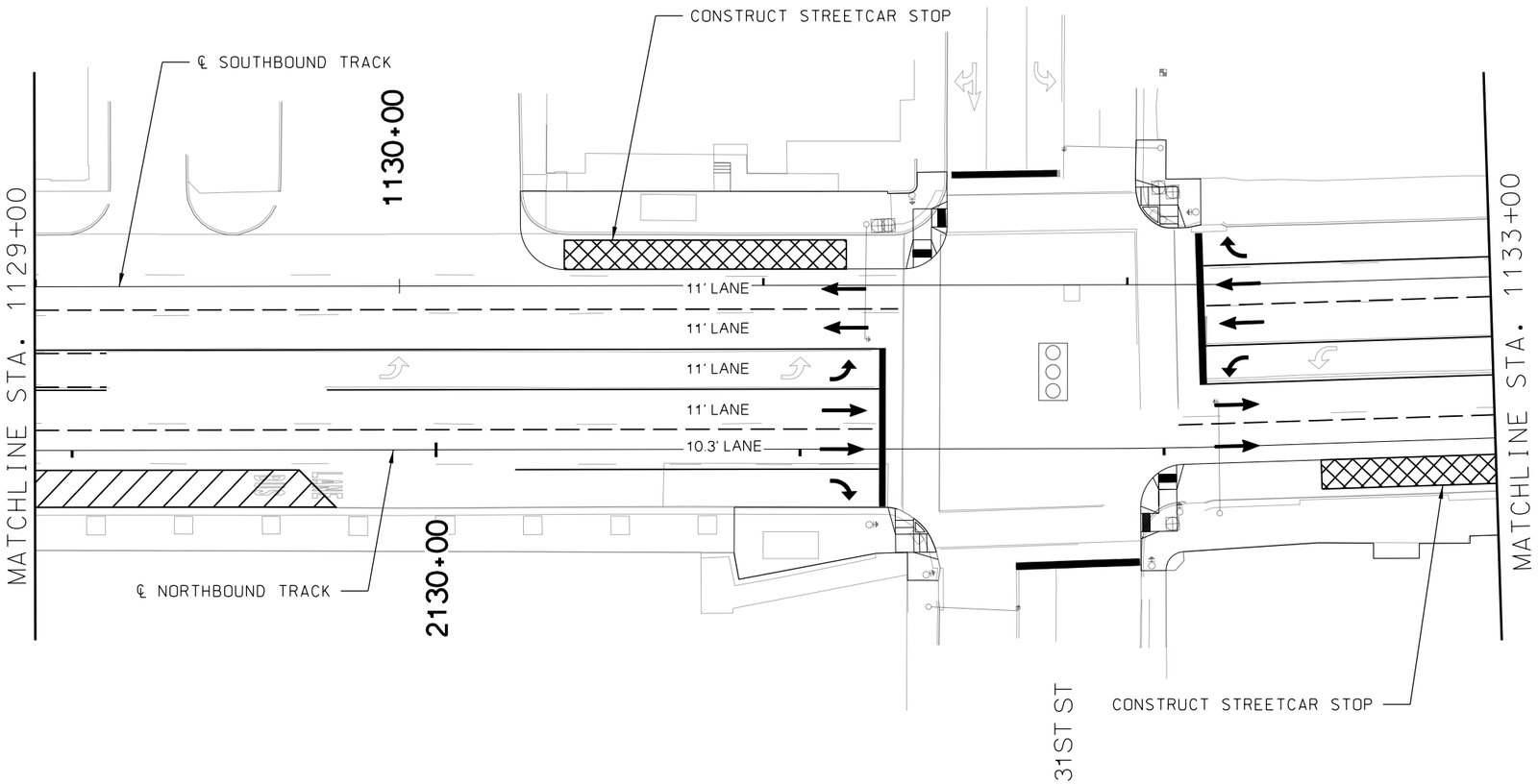
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S133.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S133	SHEET NO.: 196

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:55:29 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
31ST STREET
SB STA 1129+00 TO STA 1133+00

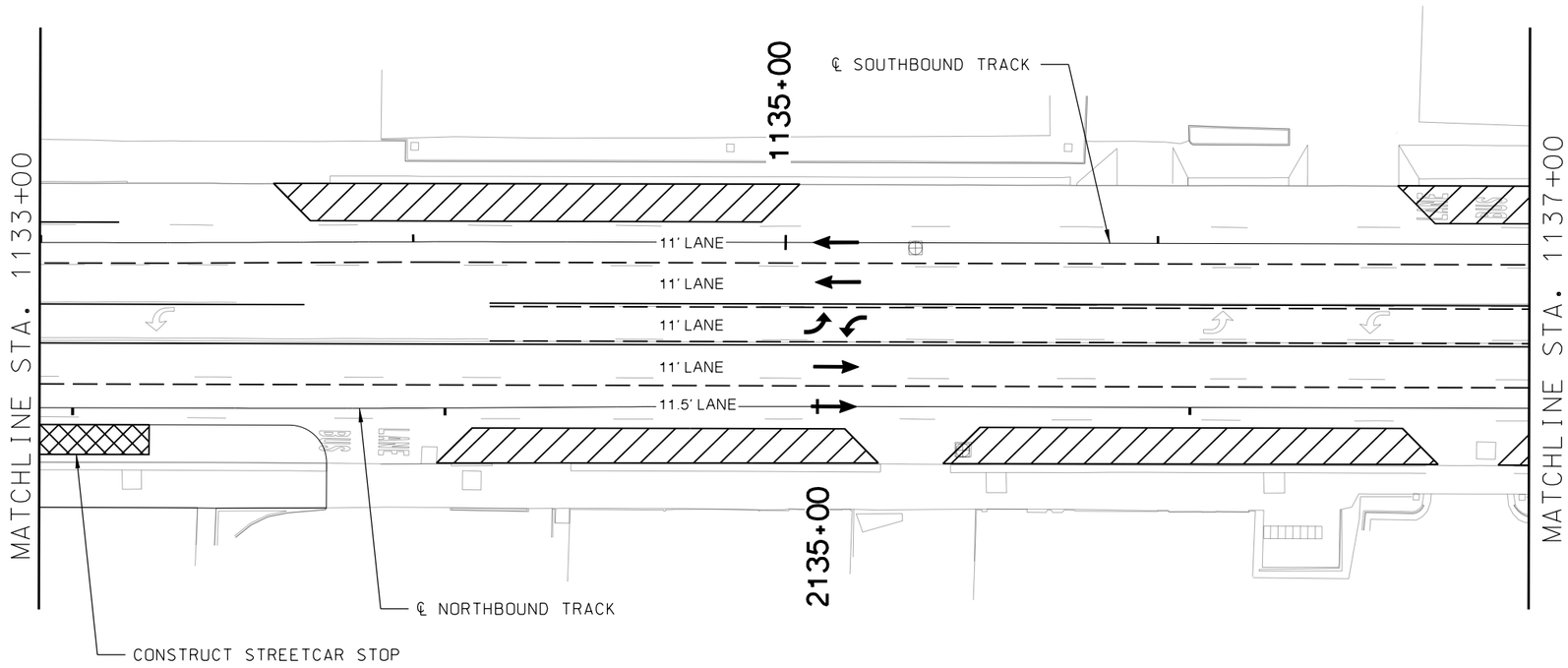
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S134.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S134
SHEET NO.:	197

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:55:48 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1133+00 TO STA 1137+00

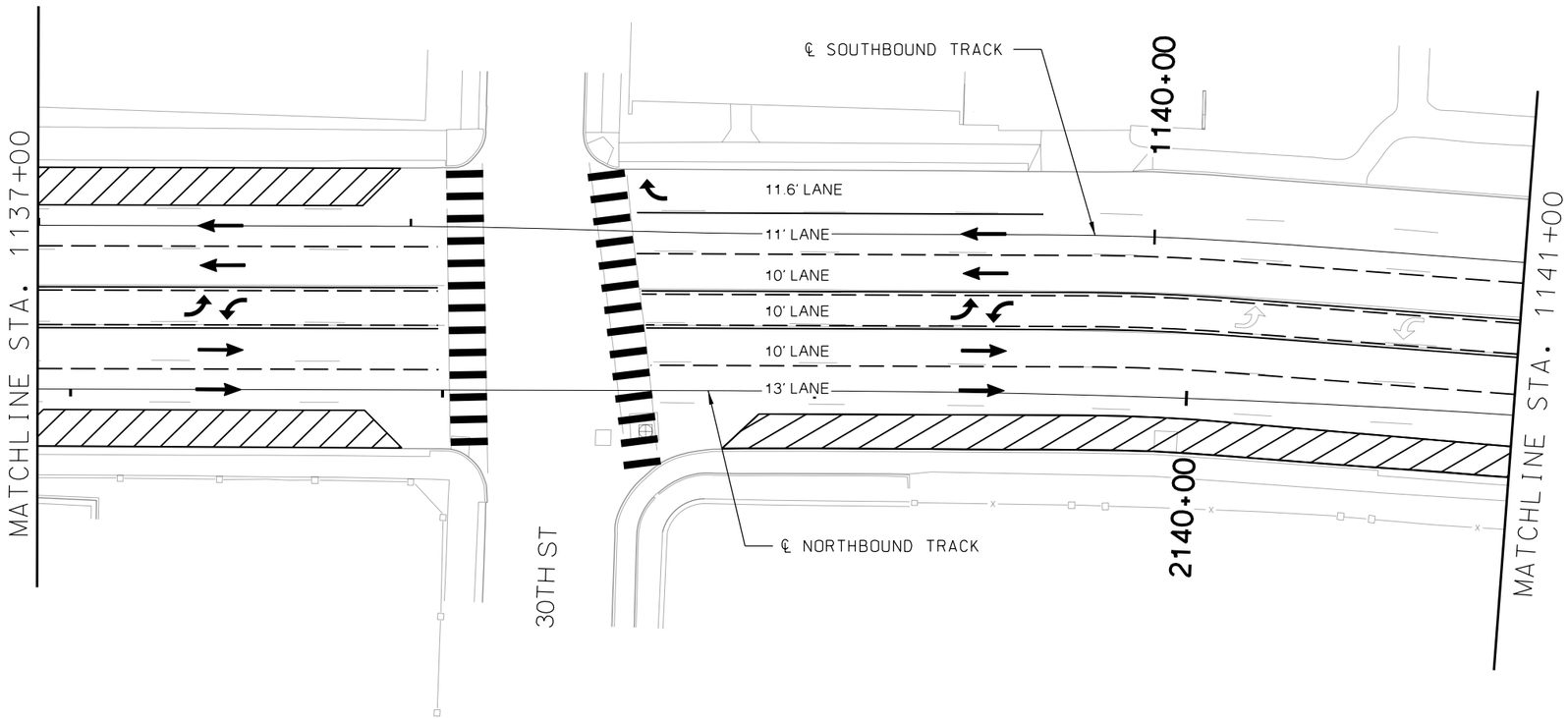
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S135.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S135
SHEET NO.:	198

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:56:07 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
30TH STREET
SB STA 1137+00 TO STA 1141+00

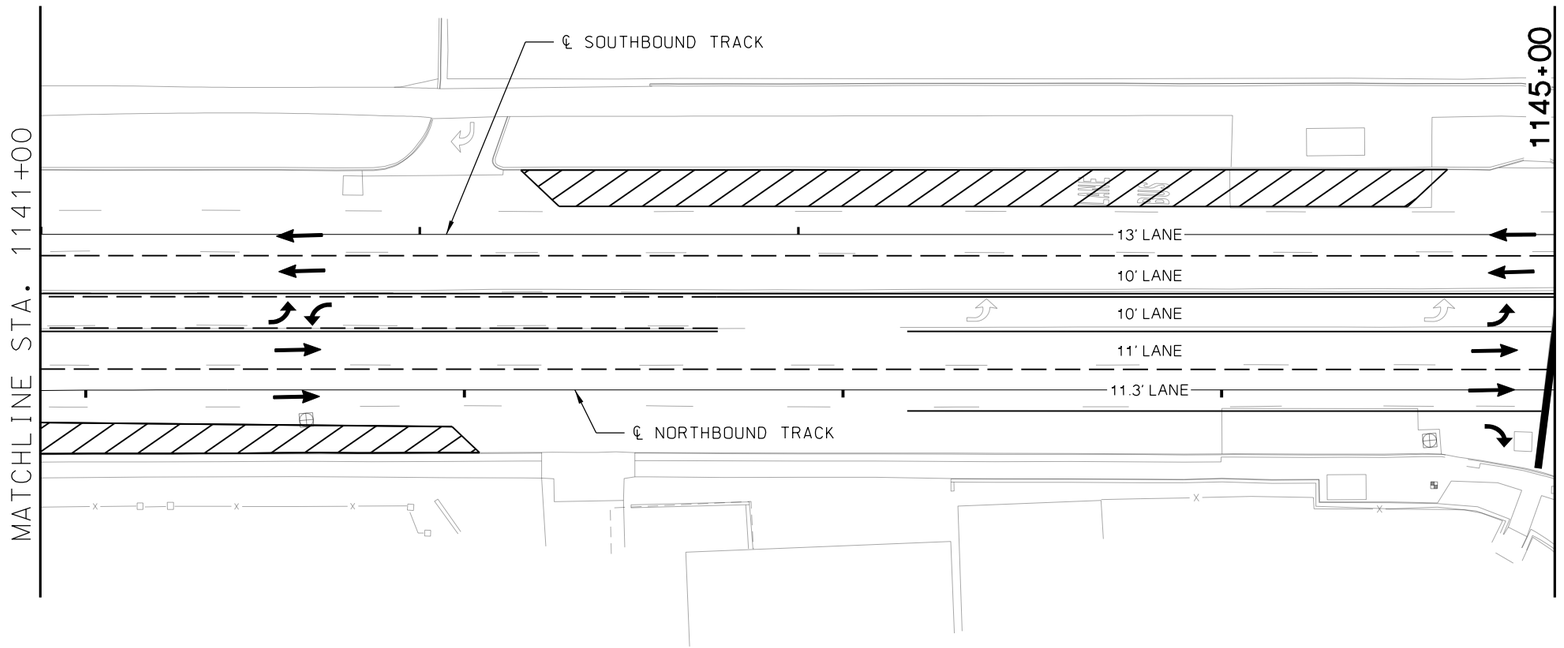
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S136.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S136
SHEET NO.:	199

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:56:26 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
WARWICK TRAFFICWAY
SB STA 1141+00 TO STA 1145+00

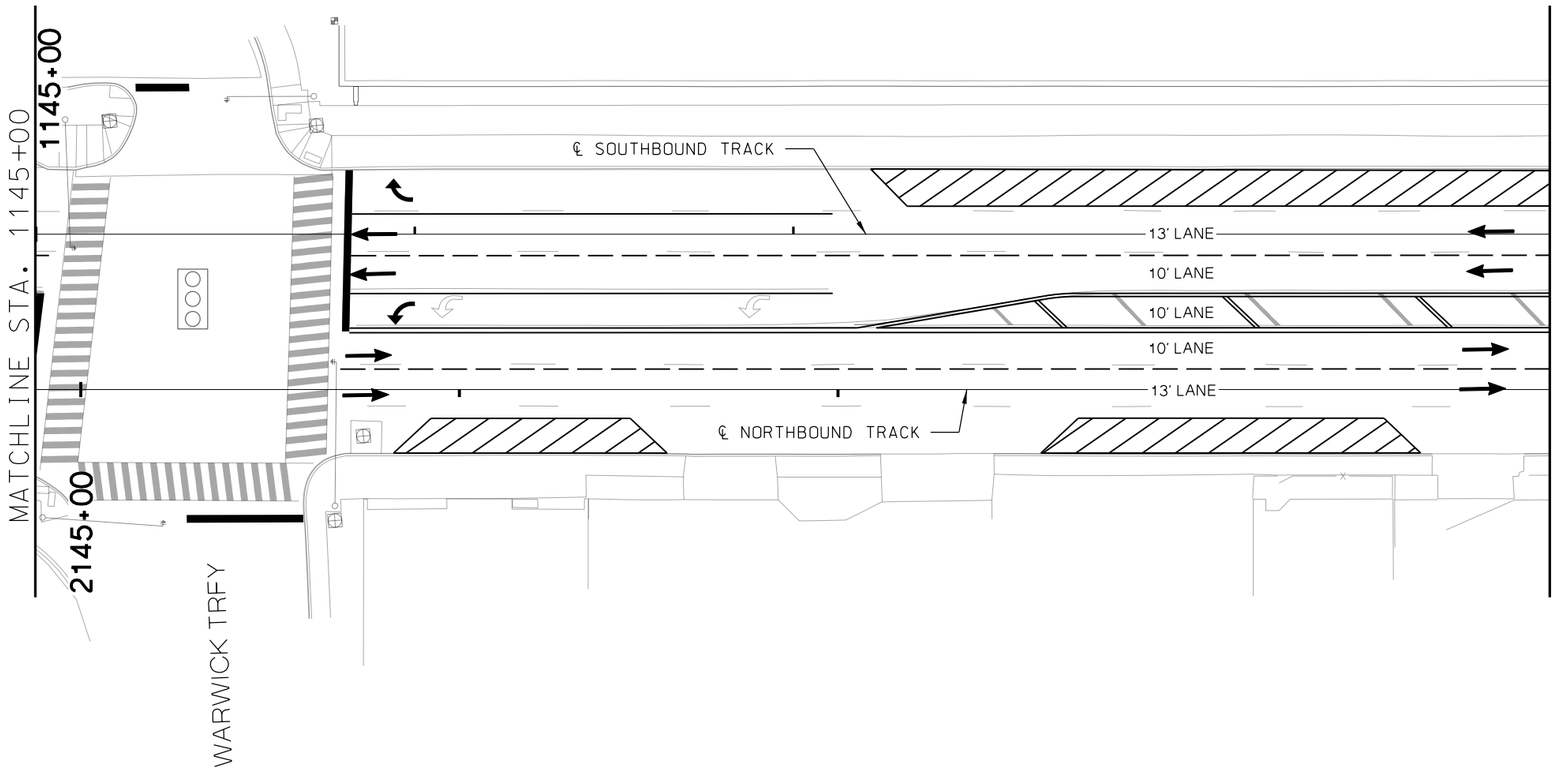
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S137.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S137
SHEET NO.:	200

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:56:46 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
WARWICK TRAFFICWAY
SB STA 1145+00 TO STA 1149+00

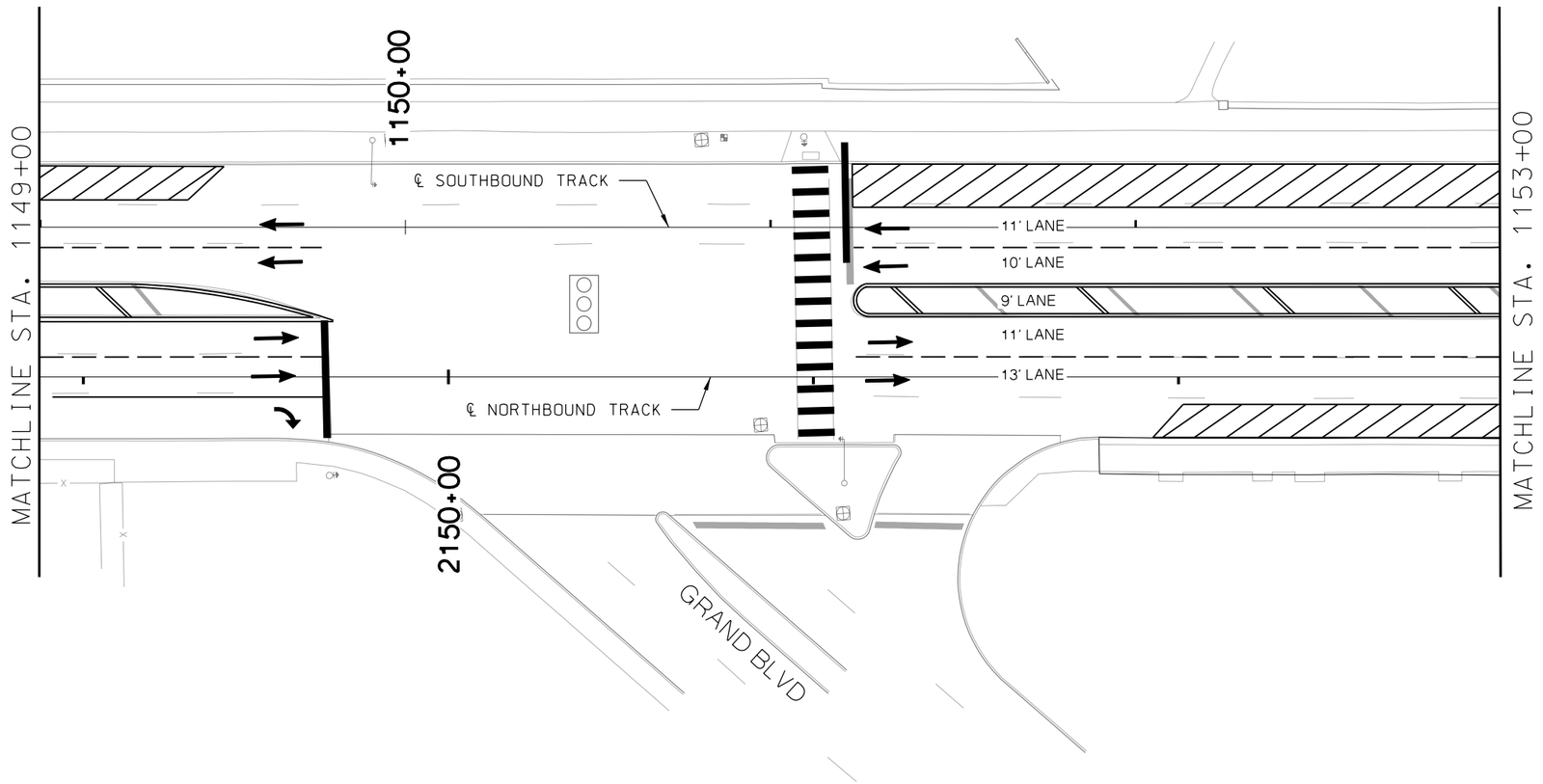
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S138.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S138
SHEET NO.:	201

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:57:06 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
GRAND BOULEVARD
SB STA 1149+00 TO STA 1153+00

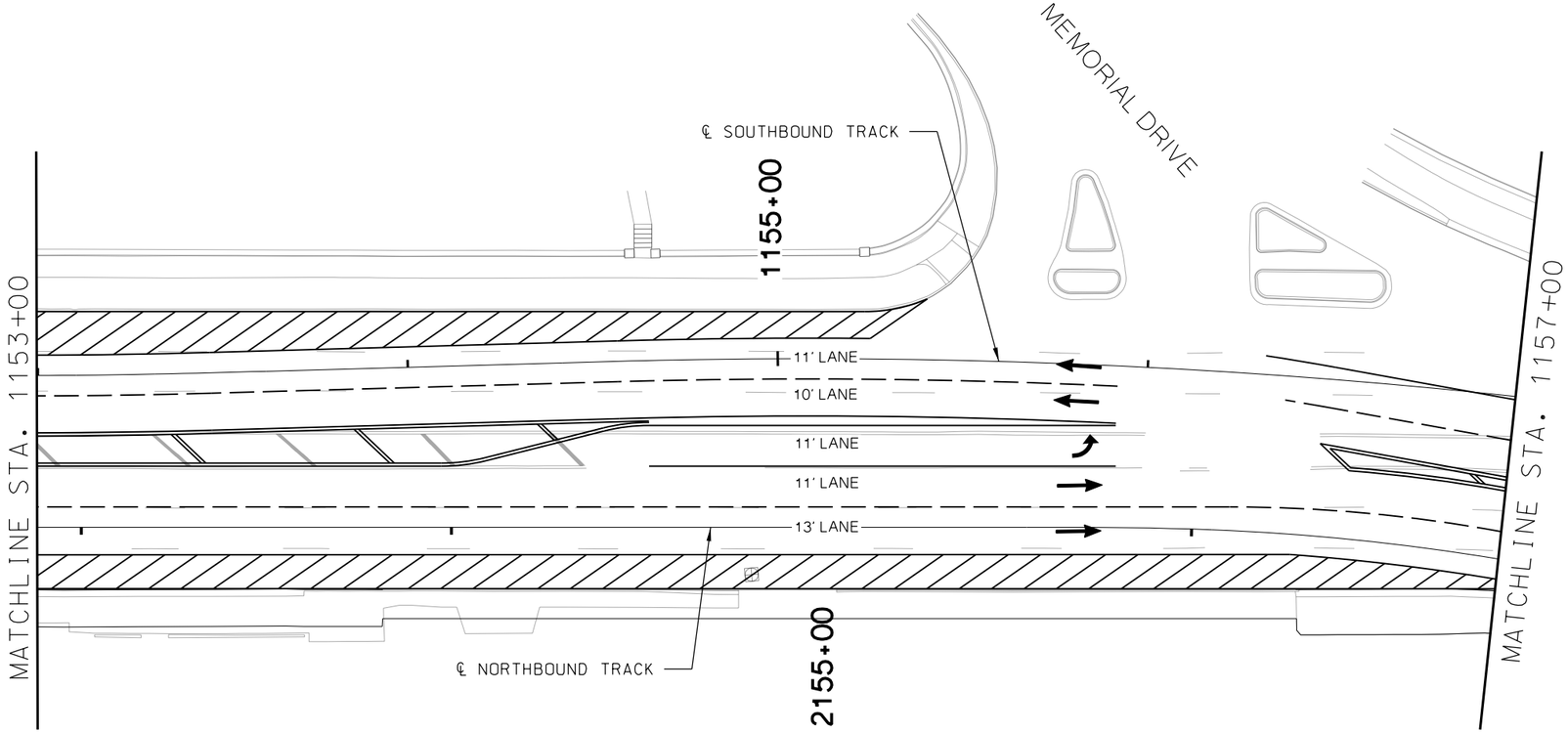
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S139.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S139
SHEET NO.:	202

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:57:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
MEMORIAL DRIVE
SB STA 1153+00 TO STA 1157+00

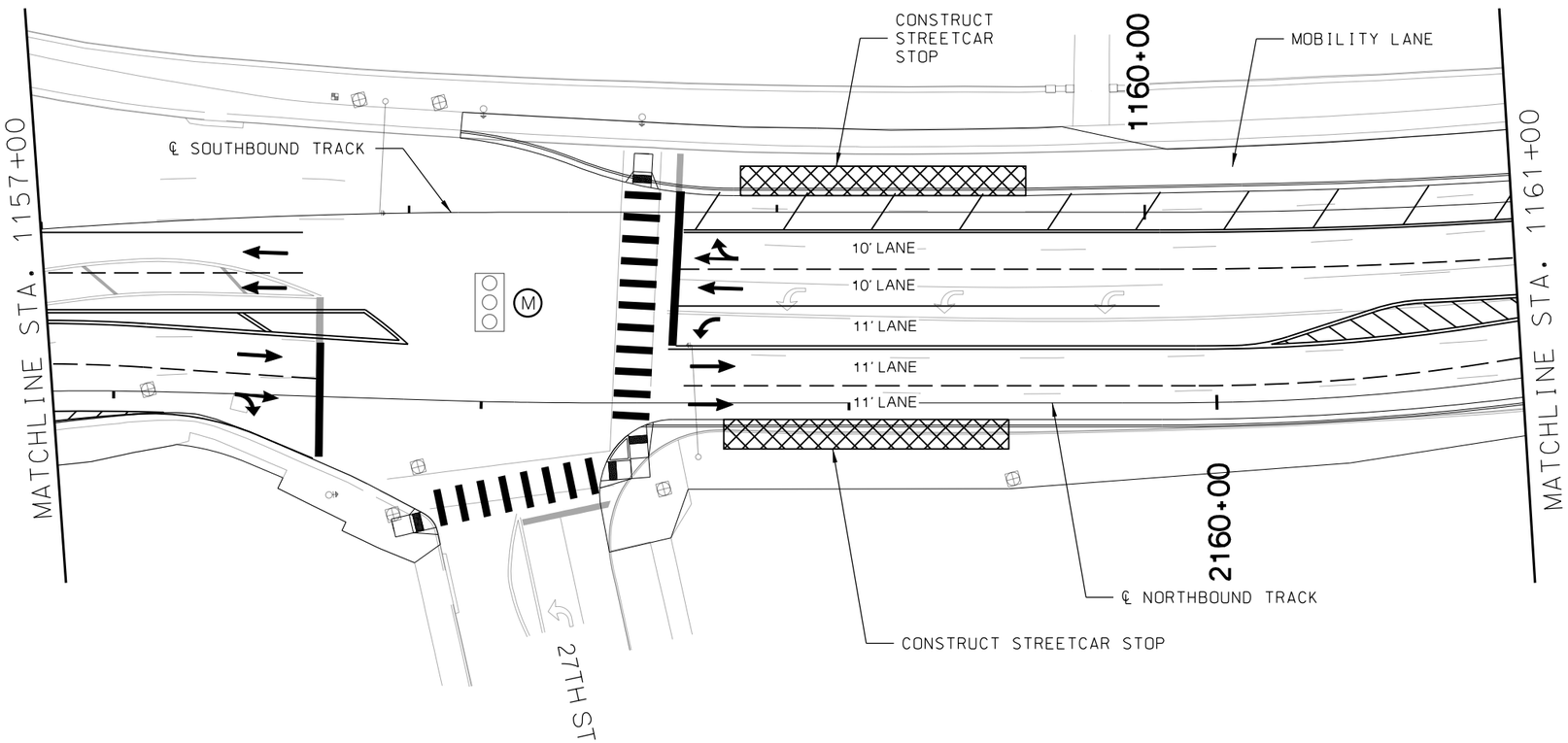
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S140.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S140
SHEET NO.:	203

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:57:35 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
27TH STREET
SB STA 1157+00 TO STA 1161+00

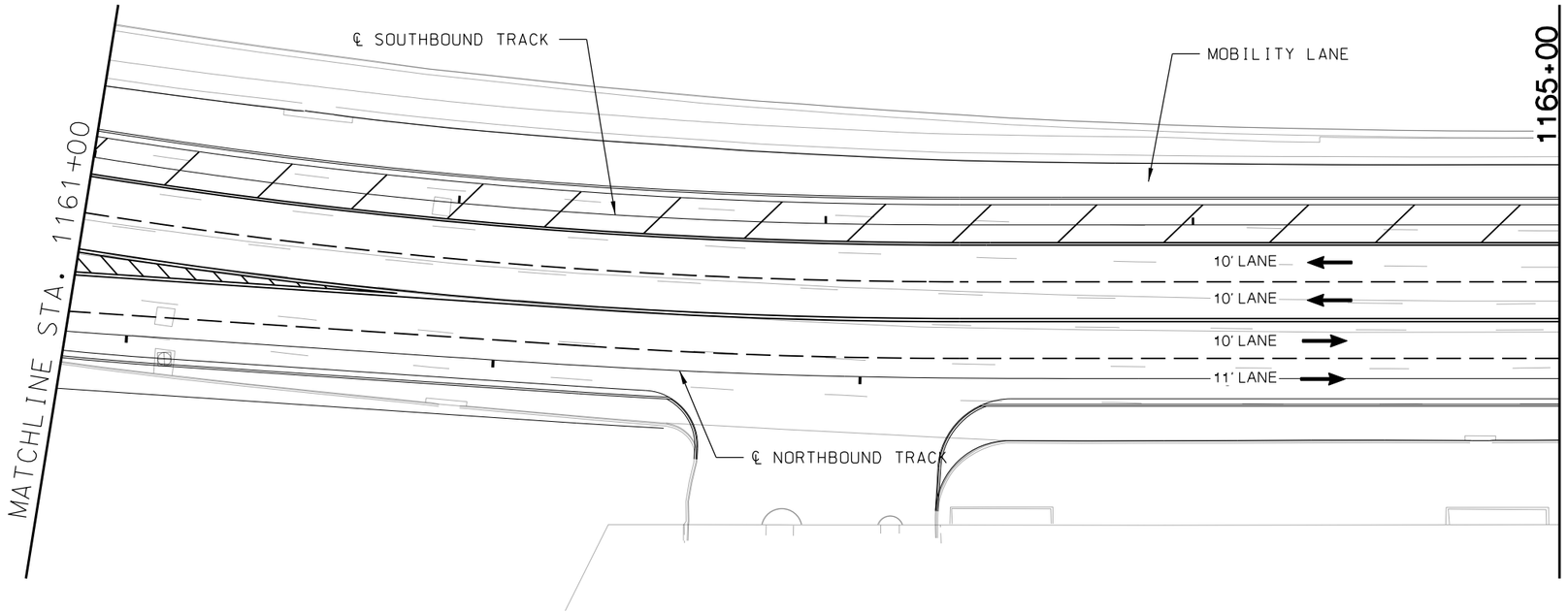
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S141.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S141	SHEET NO.: 204

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:57:49 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1161+00 TO STA 1165+00

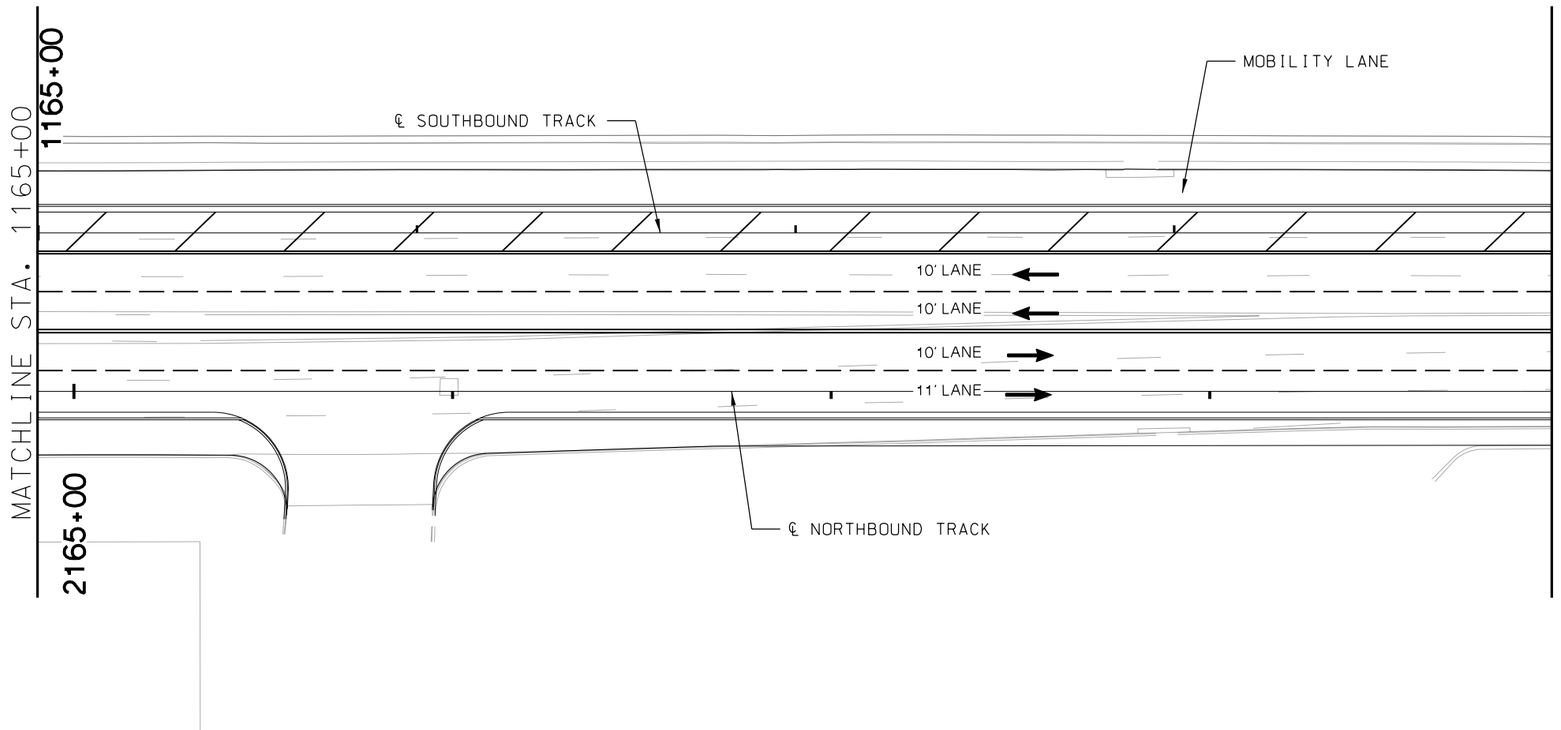
SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S142.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	S142
SHEET NO.:	205

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:58:04 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1165+00 TO STA 1169+00

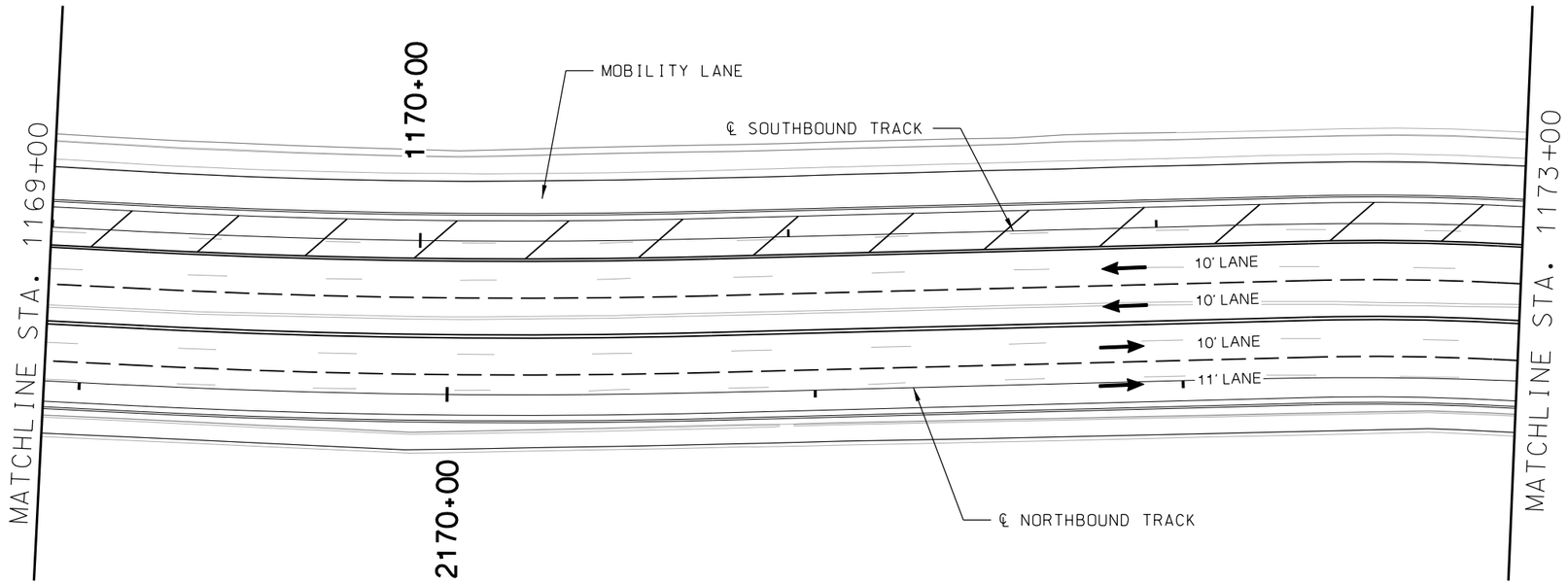
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S143.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S143	SHEET NO.: 206

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:58:20 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1169+00 TO STA 1173+00

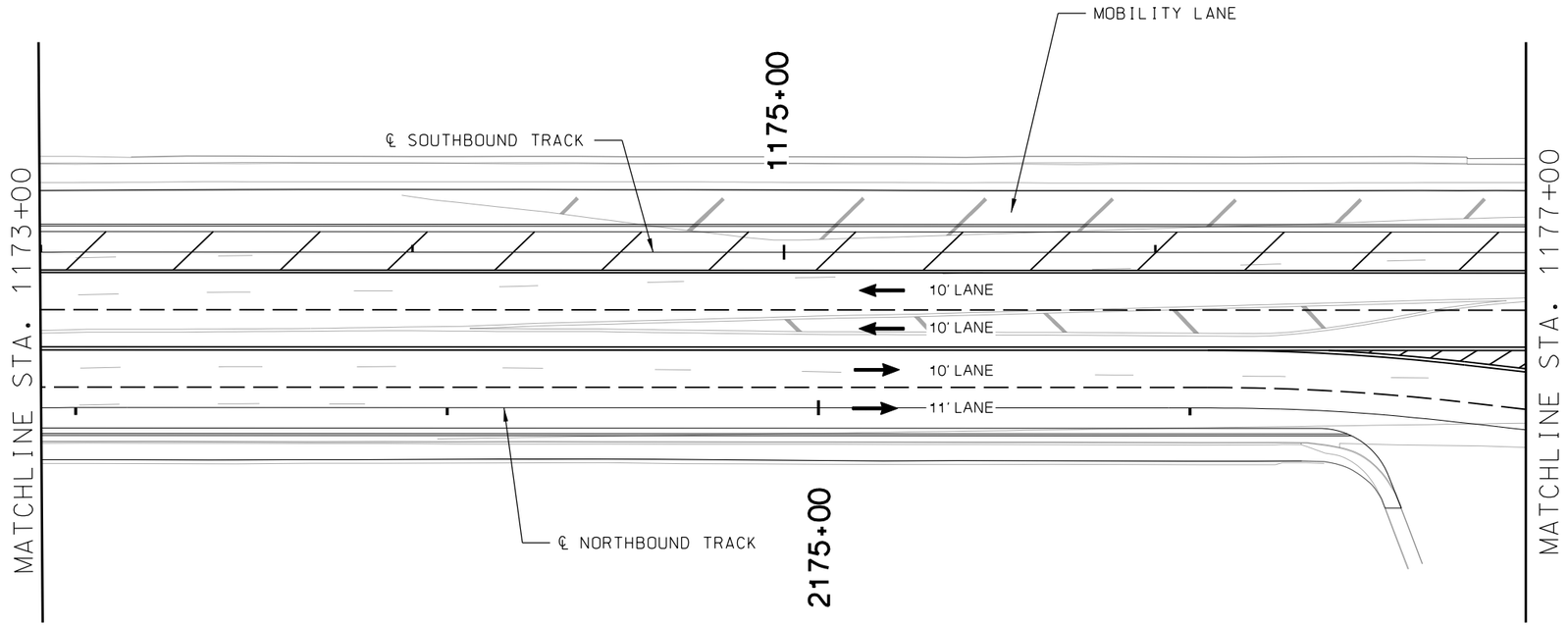
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S144.dgn	
CONTRACT NO.: ##########	
VOLUME: 1	
DRAWING NO.: S144	SHEET NO.: 207

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:58:34 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

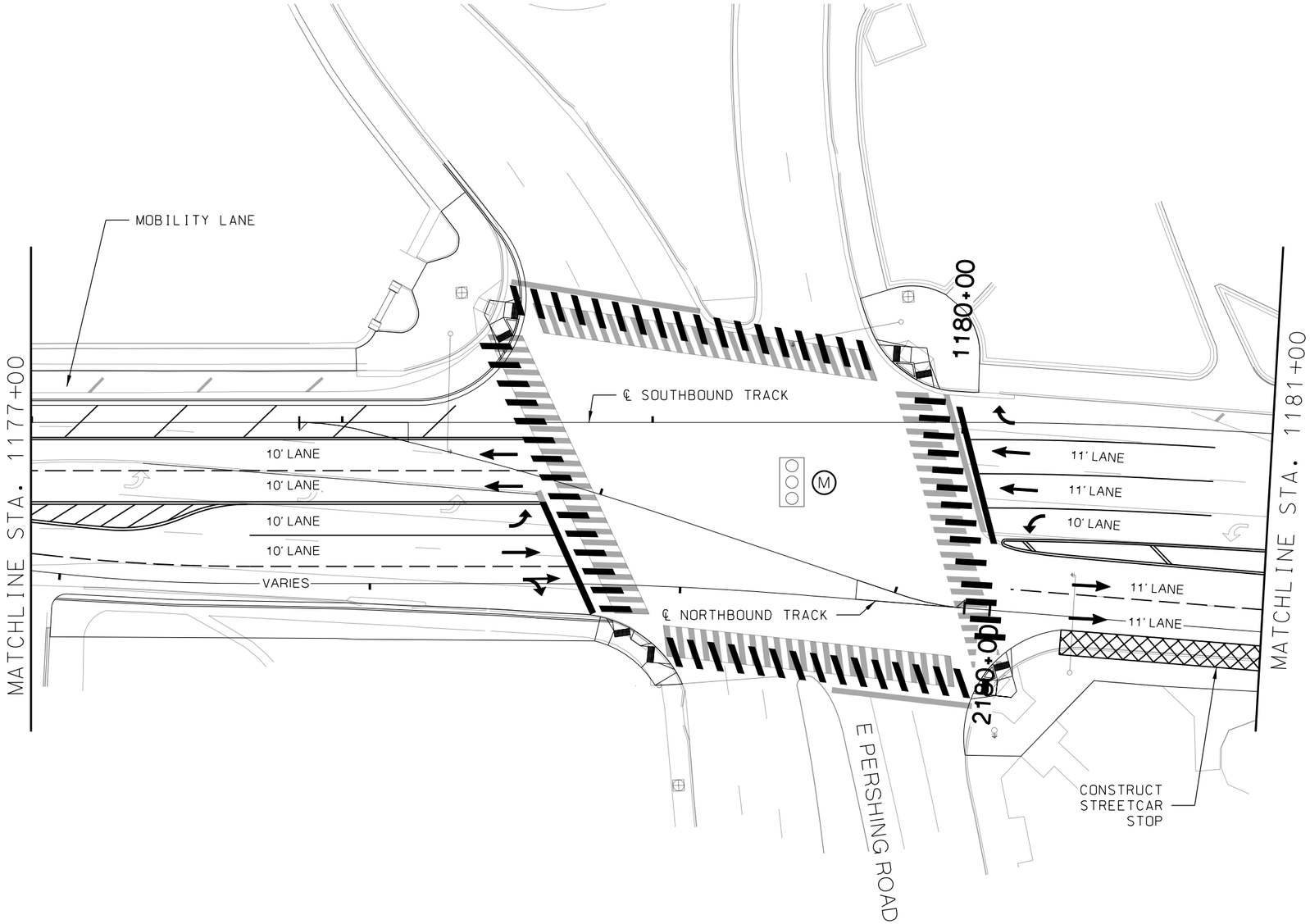
SIGNING AND STRIPING PLAN
SB STA 1173+00 TO STA 1177+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S145.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S145
SHEET NO.:	208

SCALE
0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:58:51 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
PERSHING ROAD
SB STA 1177+00 TO STA 1181+00

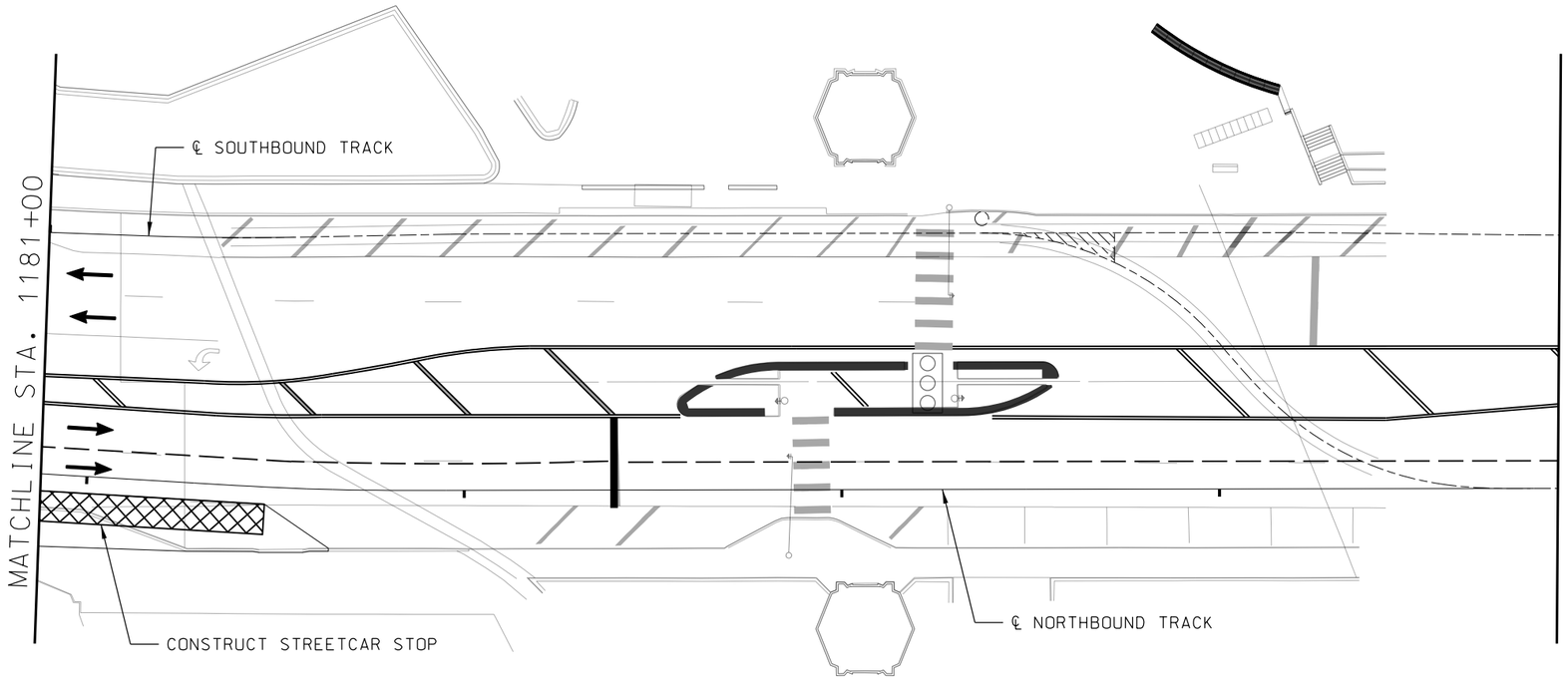
SCALE FOR 22"x34": H: 1"=20'	
FILENAME: S146.dgn	
CONTRACT NO.: ###########	
VOLUME: 1	
DRAWING NO.: S146	SHEET NO.: 209

SCALE

0 20 40 60

GENERAL NOTES

1. STRIPING DESIGN IS CONCEPTUAL.
2. SIGNING DESIGN IS NOT PROVIDED. SIGNING WILL BE ADDED FOR THE 30% SUBMITTAL.



LEGEND

PROPOSED SIGNALIZED INTERSECTION

EXISTING SIGNALIZED INTERSECTION. NO PROPOSED CHANGES IN PHASING. TSP AND/OR MODIFICATIONS TO THE EXISTING EQUIPMENT MAY STILL BE REQUIRED

MODIFY EXISTING SIGNAL PHASING TO INCLUDE A TRANSIT MOVEMENT WITH OTHER PHASING (M)

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 4:59:09 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

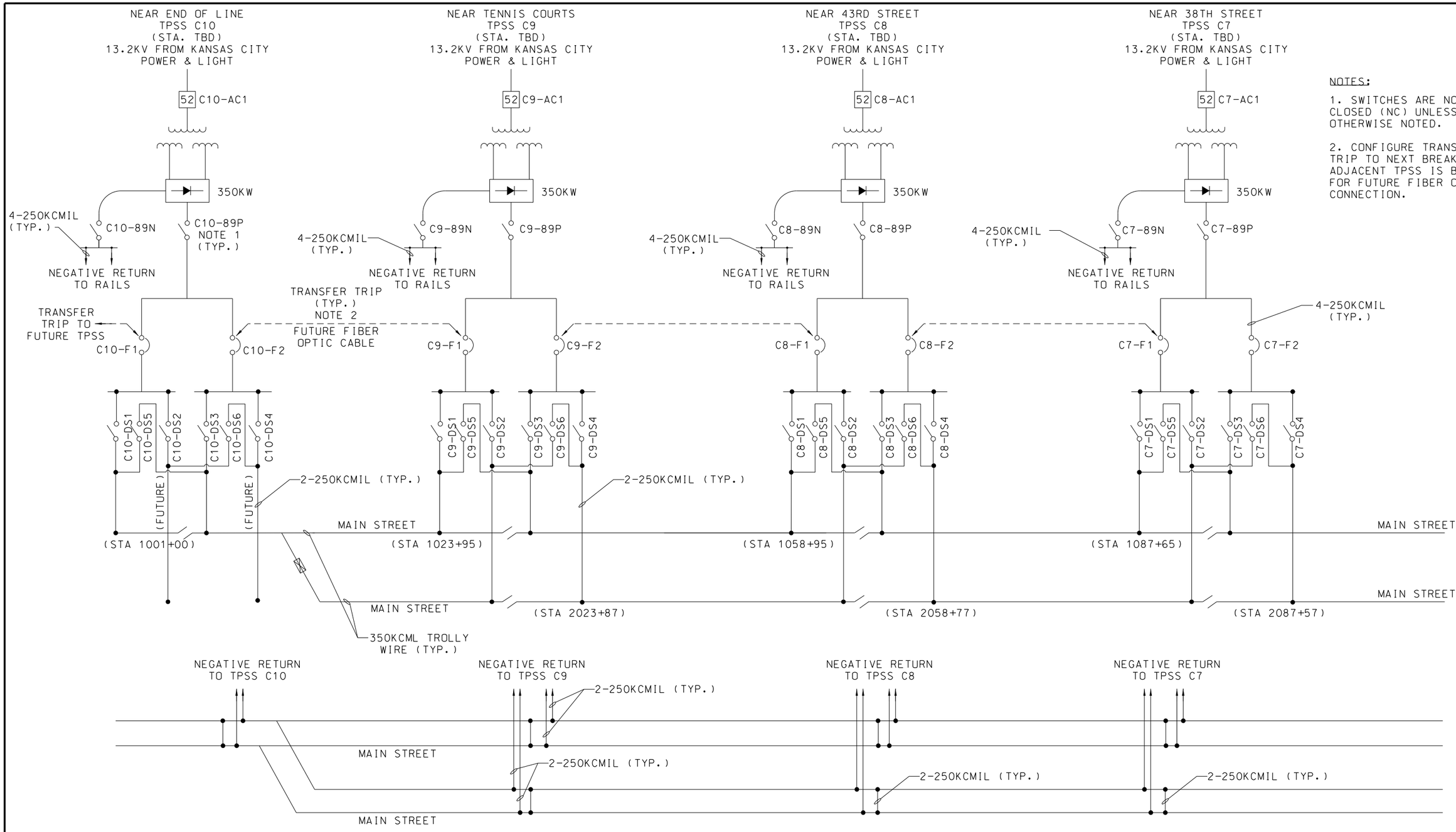
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

SIGNING AND STRIPING PLAN
SB STA 1181+00 TO STA 1185+00

SCALE FOR 22"x34":	H: 1"=20'
FILENAME:	S147.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	S147
SHEET NO.:	210



NOTES:

1. SWITCHES ARE NORMALLY CLOSED (NC) UNLESS OTHERWISE NOTED.

2. CONFIGURE TRANSFER TRIP TO NEXT BREAKER WHEN ADJACENT TPSS IS BYPASSED FOR FUTURE FIBER OPTIC CONNECTION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:11:17 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

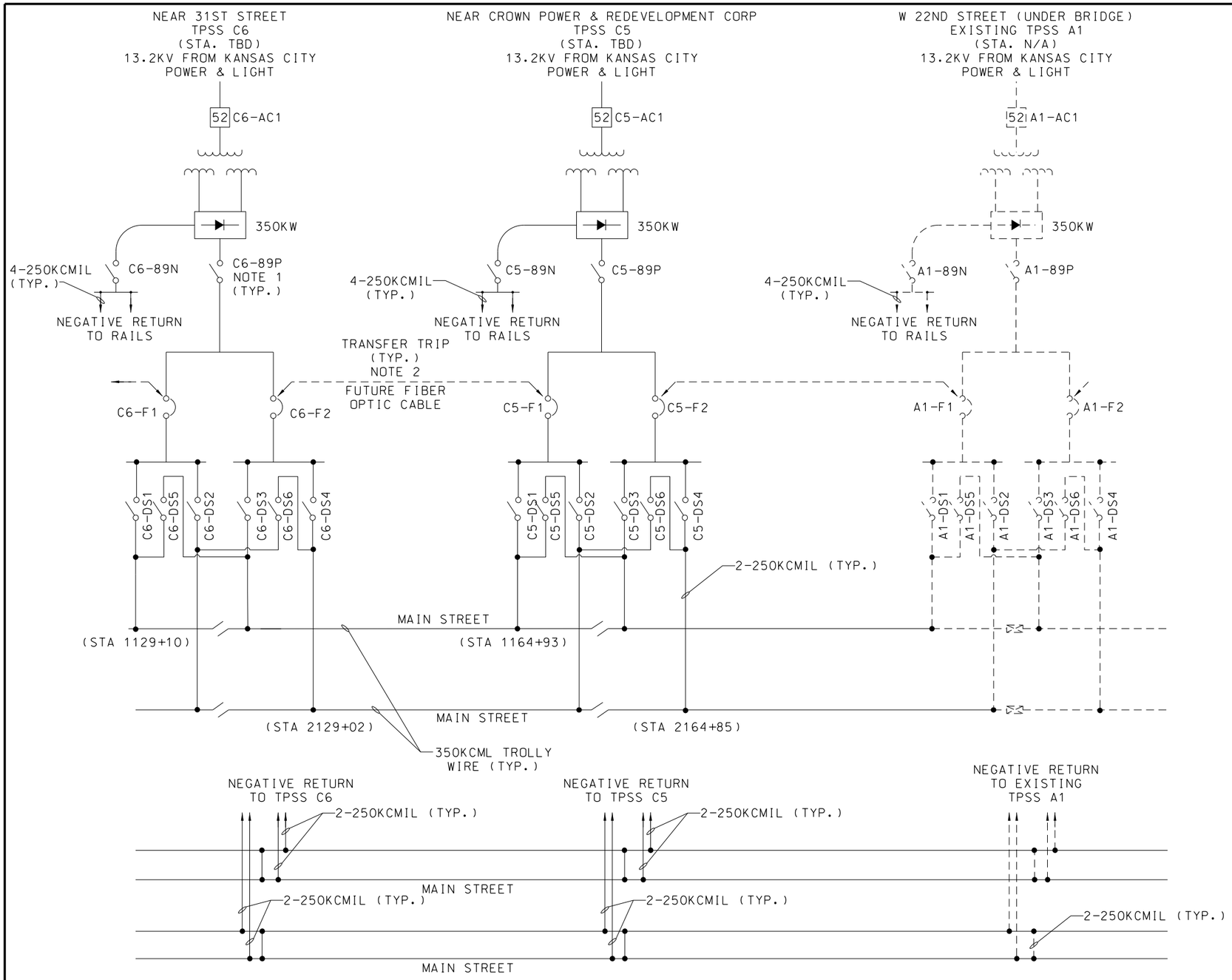
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

TRACTION POWER
MASTER SINGLE LINE DIAGRAM
SHEET 1 OF 2

SCALE FOR 22"x34":	NOT TO SCALE
FILENAME:	J601.dgn
CONTRACT NO.:	###########
VOLUME:	1
DRAWING NO.:	J601
SHEET NO.:	211



NOTES:

1. SWITCHES ARE NORMALLY CLOSED (NC) UNLESS OTHERWISE NOTED.

2. CONFIGURE TRANSFER TRIP TO NEXT BREAKER WHEN ADJACENT TPSS IS BYPASSED FOR FUTURE FIBER OPTIC CONNECTION.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:11:23 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMQ
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

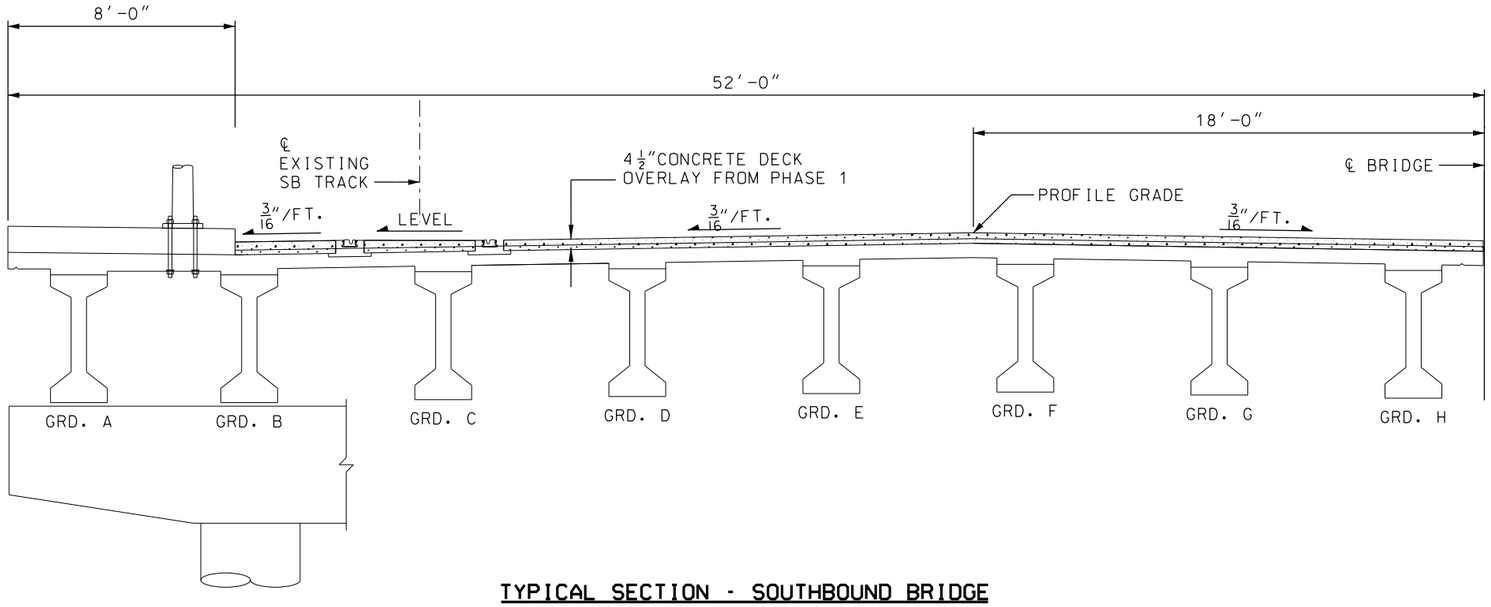
KANSAS CITY STREETCAR MAIN STREET EXTENSION

TRACTION POWER SYSTEM
MASTER SINGLE LINE DIAGRAM
SHEET 2 OF 2

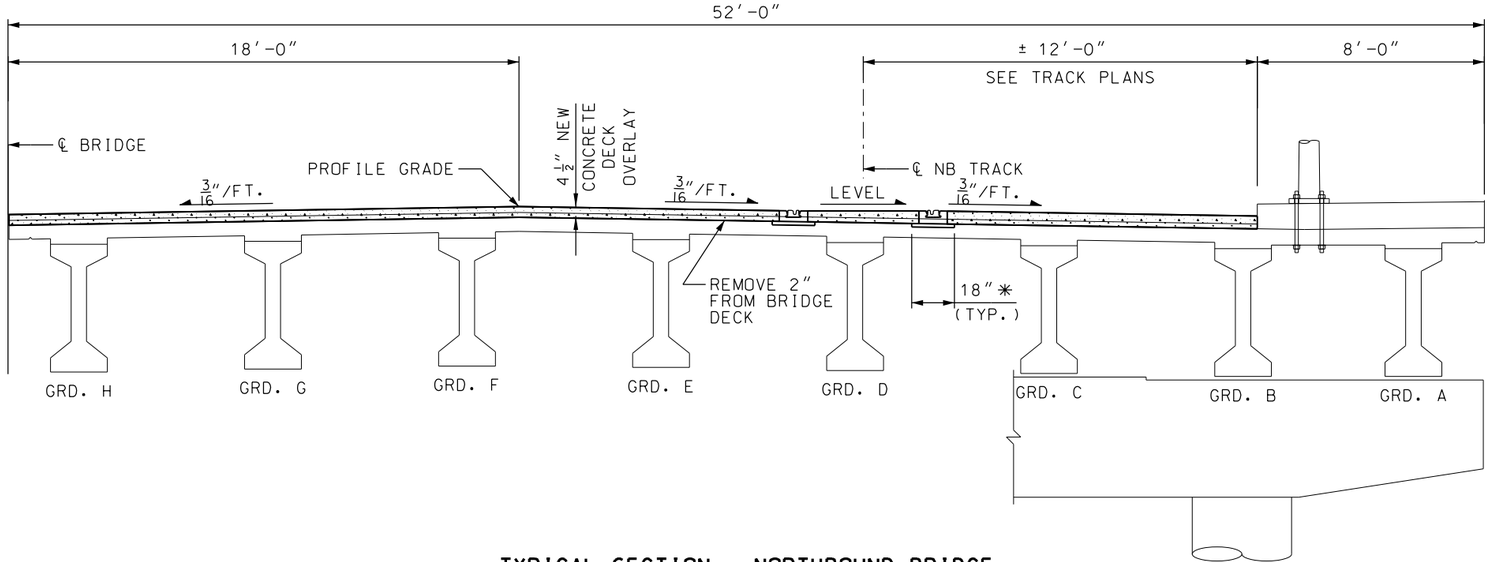
SCALE FOR 22"x34":
FILENAME: J602.dgn
CONTRACT NO.: ##########
VOLUME: 1

DRAWING NO.:	SHEET NO.:
J602	212

SCALE
0 1 2 3 4 5



TYPICAL SECTION - SOUTHBOUND BRIDGE
(LOOKING NORTH)



TYPICAL SECTION - NORTHBOUND BRIDGE
(LOOKING NORTH)

NOTE:

ALL STRUCTURE SHOWN IS EXISTING. NEW CONSTRUCTION SHOWN IN HEAVY SOLID LINES.

✳ MILL AN ADDITIONAL ½″ × 18″ STRIP BELOW EACH RAIL.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:11:27 PM

DESIGNED BY JSAP
CHECKED BY BRBW
DRAWN BY MWDA
CHECKED BY RBW
APPROVED BY NSAP
DATE 2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

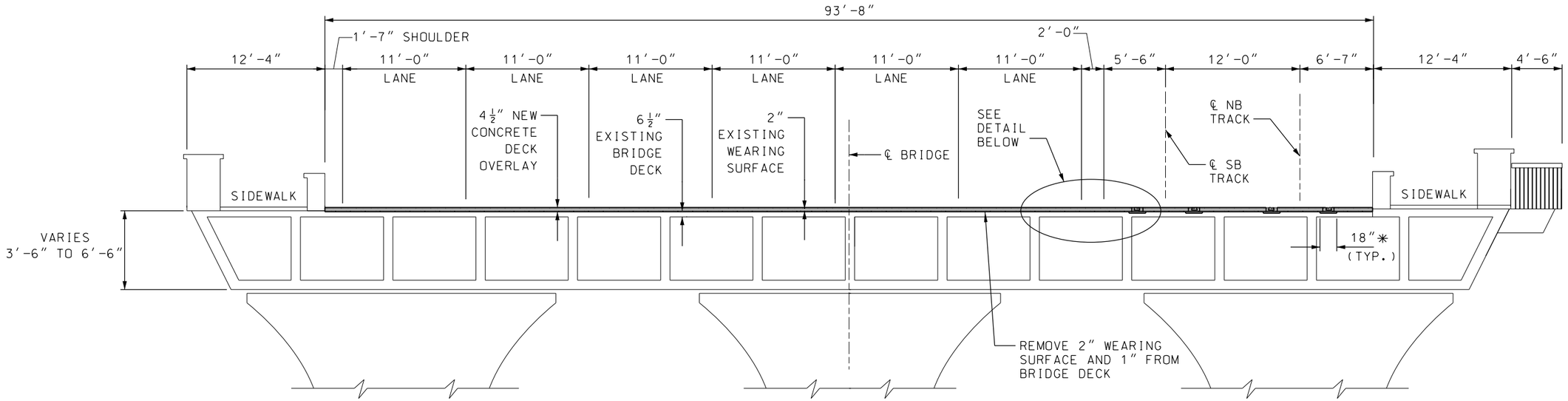
HDR Engineering, Inc.
10450 Holmes Road
Suite 600
Kansas City, MO 64131-3471
816-360-2700
Certificate of Authority: 000856

NOT FOR CONSTRUCTION

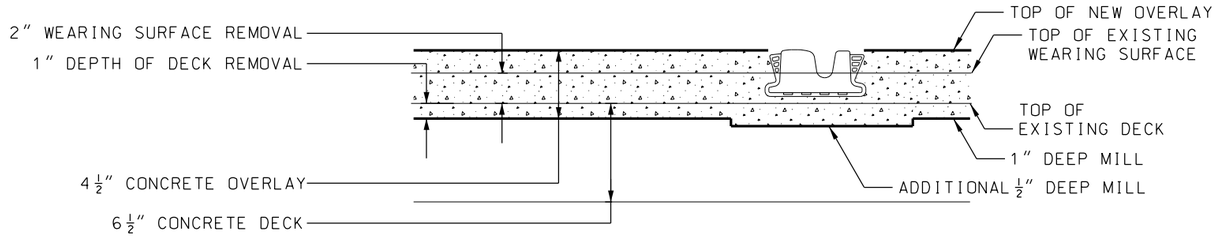
KANSAS CITY STREETCAR MAIN STREET EXTENSION

MAIN ST. VIADUCT OVER KCTRR
TYPICAL SECTION UNIT 5

SCALE FOR 22"x34": 3/8" = 1'-0"
FILENAME: ST101.dgn
CONTRACT NO.: ##########
VOLUME: 1
DRAWING NO.: ST101
SHEET NO.: 213



TYPICAL SECTION
(LOOKING NORTH)



Bridge Deck Detail
(NOT TO SCALE)

NOTES:

ALL STRUCTURE SHOWN IS EXISTING. NEW CONSTRUCTION SHOWN IS HEAVY SOLID LINES.

*MILL AN ADDITIONAL 1/2″ X 18″ STRIP BELOW EACH RAIL.

REV	DATE	DESCRIPTION

PLOT DATE: 2/25/2019 1:11:38 PM

DESIGNED BY	JWR
CHECKED BY	RPB
DRAWN BY	MMO
CHECKED BY	RPB
APPROVED BY	NKS
DATE	2/25/2019

RideKC STREETCAR

PRELIMINARY PLANS - 15% DATE: **02-25-2019**

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NOT FOR CONSTRUCTION

KANSAS CITY STREETCAR MAIN STREET EXTENSION

BRUSH CREEK STRUCTURE
TYPICAL SECTION

SCALE FOR 22″x34″:	NOT TO SCALE
FILENAME:	ST102.dgn
CONTRACT NO.:	##########
VOLUME:	1
DRAWING NO.:	ST102
SHEET NO.:	214